STATE OF CALIFORNIA
DEPARTMENT OF FISH AND GAME

FISH BULLETIN No. 102

# THE MARINE FISH CATCH OF CALIFORNIA

## For the Years 1953 and 1954

with

## JACK MACKEREL AND SARDINE YIELD PER AREA FROM CALIFORNIA WATERS 1946-47 THROUGH 1954-55

BY THE STAFF OF THE
MARINE FISHERIES BRANCH

1956

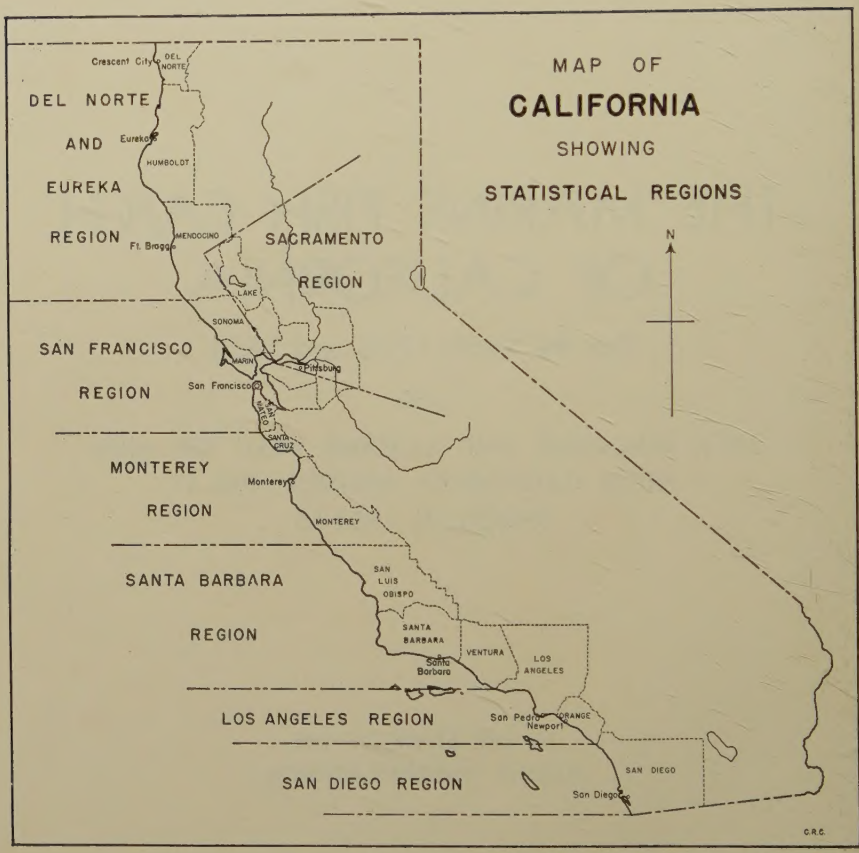
MAP OF
CALIFORNIA
SHOWING
STATISTICAL REGIONS
N
DEL NORTE AND EUREKA REGION
SACRAMENTO REGION
SAN FRANCISCO REGION
MONTEREY REGION
SANTA BARBARA REGION
LOS ANGELES REGION
SAN DIEGO REGION
Crescent City
DEL NORTE
Eureka
HUMBOLDT
MENDOCINO
Ft. Bragg
LAKE
SONOMA
MARIN
Petaluma
San Francisco
SAN MATEO
SANTA CRUZ
Monterey
MONTEREY
SAN LUIS OBISPO
SANTA BARBARA
Santa Barbara
VENTURA
LOS ANGELES
San Pedro
Newport
ORANGE
SAN DIEGO
San Diego
C.R.C.

FIGURE 1

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# FOREWORD

This bulletin includes records of the pounds of fish landed in the different areas of the State and their value to the fishermen. It is prepared to meet the numerous requests for such data received throughout the year from members of the fishing industry, harbor commissions, scientists, and persons in other related fields for use in their studies and reports.

This is the sixteenth in the series of fish bulletins dealing with fish catch. The first, published in 1929, contained records of the State's commercial fish catch for 1926 and 1927. Data for subsequent years have been published annually or biennially. Due to the growth of and interest in the marine sport catch and the live bait fishery, additional tables on sport and live bait catches were included with the 1950 figures and these have appeared in succeeding bulletins. In 1947 all available records of commercial catch for the years 1916-1947 were summarized. Although this bulletin carries the title "Marine Fish Catch," small poundages of fresh water commercial landings are also included.

Through the continued cooperation of the Wildlife Protection Branch the accuracy and completeness of the records is insured.

October, 1955

# JACK MACKEREL AND SARDINE YIELD PER AREA FROM CALIFORNIA WATERS, 1946-47 THROUGH 1954-55

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Marine Fisheries Branch
California Department of Fish and Game

The charts and figures accompanying this article show the fishing grounds for both the sardine, *Sardinops caerulea,* and the jack mackerel, *Trachurus symmetricus.* Each species and its area of catch is discussed separately. To designate the locality where fish are caught, the Department of Fish and Game has divided California coastal waters into block areas of 10 minutes of latitude and 10 minutes of longitude. These blocks designate place of catch and facilitate study of fish concentrations. For this study we have used the record of catch by block as given on the fish receipts.

Fish receipts, often referred to as pink tickets, are filled out by the dealer at the time of purchase of fish from the fisherman. These pink tickets list the variety of fish, the pounds landed and the block area of catch, as well as other information. The dealer may, at times, omit the area of catch; however, for jack mackerel and sardines we have two other checks. Sardine checkers employed by the department complete a form known as the sardine checker's ticket. The checker is present during the unloading of sardines and jack mackerel during sardine season. He makes note of the species, total pounds landed, block area of catch, proportion of various kinds of fish in a load when the species are mixed and other information pertaining to the vessel. In addition, a biologist requests block origin information while interviewing the fisherman when taking routine samples of his catch. With these checks, the specific locality remains unknown for only a small portion of the catch.

Figures 4 and 5 show the locality of catch for each species combined into three-season groupings. The block numbers are shown on Figures 4 and 5 and the blocks comprising each general area are indicated with heavy lines. Tables 1 and 2 show catch localities arranged by large general areas (Pinkas, 1951). These tables indicate the seasonal tonnage and the percent of catch taken from each area.

## JACK MACKEREL

In the years before 1947, the small landings of jack mackerel were sold chiefly to the fresh fish markets. A few fish were delivered to the canneries when they were mixed with schools of sardines and Pacific mackerel, but only desultory attempts were made to can these fish because there was little or no market for such a product.

In the years 1946 to 1948, a campaign was conducted by the industry (Roedel, 1949) to develop a market for canned jack mackerel and land-

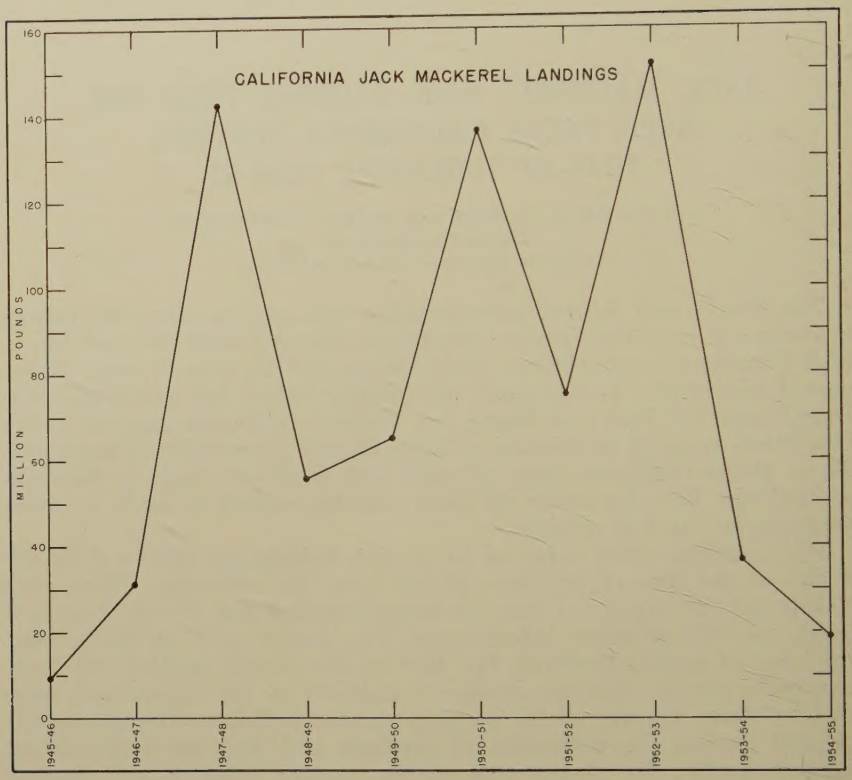



FIGURE 2. California jack mackerel landings by season, 1945-46 through 1954-55.

ings increased rapidly (Fig. 2). This increase was materially influenced by the failure of the sardine and Pacific mackerel fisheries and the resulting need of the processors for a substitute canning fish. The jack mackerel landings reached a peak in 1952-53 as a result of the sardine failure, but showed a sharp decline in 1953-54 due to scarcity of fish on the fishing grounds. This decline continued in 1954-55 because of unfavorable economic conditions.

Jack mackerel are present in the waters off California throughout the entire year, but since the fishery is carried on simultaneously with the sardine and Pacific mackerel fishery, and these species are taken chiefly during the fall and winter months, the jack mackerel landings decline to a minimum in the spring and early summer. As a result, the season for the jack mackerel is here considered the same as that for the Pacific mackerel, May 1st to the following April 30th. For this reason the charts and tables are presented on a seasonal rather than a calendar year basis.

Fig. 4 shows the locality of catches for the past nine years. Preliminary examination of the season by season data showed that the catches fell naturally into three-season groupings except for the last three. In this latter interval the concentration of the fishery on Tanner and Cortez Banks occurred chiefly in 1952-53.

## TABLE 1
### Jack Mackerel Catch by General Fishing Areas

| General area | Block numbers | 1946-47 | | 1947-48 | | 1948-49 | | 1949-50 | | 1950-51 | | 1951-52 | | 1952-53 | | 1953-54 | | 1954-55 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Tons | % | Tons | % | Tons | % | Tons | % | Tons | % | Tons | % | Tons | % | Tons | % | Tons | % |
| Pt. Arena | 401-421 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Bodega Head | 422-445 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| San Francisco | 446-471 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- | 1 | 0.0 | 1 | 0.0 | -- | -- |
| Pigeon Pt. | 472-506 | 151 | 1.0 | -- | -- | -- | -- | 9 | 0.0 | 2,718 | 4.1 | -- | -- | -- | -- | -- | -- | 1 | 0.0 |
| Monterey | 507-531 | 3,383 | 22.7 | 712 | 1.1 | 4,277 | 15.8 | 1,492 | 4.7 | 13,430 | 20.2 | 234 | .6 | 88 | .1 | 432 | 2.5 | 1,880 | 23.5 |
| Pt. Sur | 532-552 | -- | -- | -- | -- | -- | -- | 140 | .4 | 40 | .1 | -- | -- | -- | -- | 2 | 0.0 | 2 | 0.0 |
| Piedras Blancas | 553-606 | 149 | 1.0 | -- | -- | -- | -- | 30 | .1 | -- | -- | -- | -- | -- | -- | 2 | 0.0 | -- | -- |
| Pt. Buchon | 607-630 | -- | -- | 36 | .1 | -- | -- | 284 | .9 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| Pt. Sal | 631-648 | -- | -- | -- | -- | -- | -- | 139 | .4 | 68 | .1 | 30 | .1 | -- | -- | 91 | .5 | -- | -- |
| Santa Barbara | 651-657, 665-671 | 32 | .2 | 1,128 | 1.7 | 43 | .2 | 843 | 2.7 | 686 | 1.0 | 917 | 2.5 | 1,349 | 1.9 | 49 | .3 | 27 | .3 |
| Pt. Hueneme | 664, 680-683, 703-706, 722-725 | 832 | 5.6 | 9,784 | 14.6 | 6,084 | 22.5 | 5,728 | 18.1 | 6,087 | 9.1 | 4,743 | 13.2 | 2,189 | 3.0 | 3,307 | 19.1 | 681 | 8.5 |
| Santa Cruz Island | 684-690, 707-713, 726-732 | 3,077 | 20.6 | 20,000 | 29.8 | 3,412 | 12.6 | 3,870 | 12.2 | 10,887 | 16.4 | 5,428 | 15.1 | 673 | .9 | 2,263 | 13.0 | 117 | 1.5 |
| Pt. Vicente | 679, 701, 702, 718-721, 737-742 | 2,267 | 15.2 | 12,149 | 18.1 | 5,211 | 19.3 | 11,335 | 35.8 | 21,673 | 32.5 | 17,139 | 47.6 | 4,192 | 5.8 | 2,302 | 13.3 | 1,749 | 21.8 |
| Oceanside | 756-758, 801-804, 821-825 | 1,556 | 10.4 | 4,714 | 7.0 | 1,862 | 6.9 | 1,103 | 3.5 | 4,481 | 6.7 | 2,984 | 8.3 | 561 | .8 | 41 | .2 | 33 | .4 |
| Santa Catalina Island | 759-762, 805-808 | 2,638 | 17.7 | 11,858 | 17.7 | 5,296 | 19.6 | 2,503 | 7.9 | 1,070 | 1.6 | 1,174 | 3.3 | 1,441 | 2.0 | 3,395 | 19.6 | 5 | .1 |
| Santa Barbara Island | 743-745, 763-765, 809-811 | 325 | 2.2 | 1,648 | 2.5 | 263 | 1.0 | 414 | 1.3 | 477 | .7 | 77 | .2 | 495 | .7 | 227 | 1.3 | 42 | .5 |
| San Nicolas Island | 746-749, 766-769, 812-815, 833-836 | 80 | .5 | 303 | .5 | 72 | .3 | 152 | .5 | 804 | 1.2 | 180 | .5 | 527 | .7 | -- | -- | 152 | 1.9 |
| San Diego | 842-846, 860-864, 877-882 | 25 | .2 | 390 | .6 | 130 | .5 | 132 | .4 | 670 | 1.0 | 34 | .1 | 422 | .6 | 13 | .1 | -- | -- |
| San Clemente Island | 826-832, 847-853, 865-869 | 415 | 2.8 | 4,429 | 6.6 | 352 | 1.3 | 3,618 | 11.4 | 3,431 | 5.2 | 3,073 | 8.5 | 11,957 | 16.5 | 1,826 | 10.5 | 3,265 | 40.8 |
| Tanner and Cortez Banks | 854, 855, 870-873, 888-891, 897 | -- | -- | -- | -- | -- | -- | -- | -- | 13 | 0.0 | 12 | 0.0 | 48,683 | 67.1 | 3,402 | 19.6 | 57 | .7 |
| Totals | | 14,930 | 100.1 | 67,151 | 100.3 | 27,002 | 100.0 | 31,792 | 100.3 | 66,535 | 99.9 | 36,025 | 100.0 | 72,578 | 100.1 | 17,353 | 100.0 | 8,011 | 100.0 |
| Tons of unknown origin not included above | | 643 | | 4,179 | | 792 | | 701 | | 1,653 | | 1,473 | | 3,173 | | 1,014 | | 1,402 | |
| Total Seasons's Catch | | 15,573 | | 71,330 | | 27,794 | | 32,493 | | 68,188 | | 37,498 | | 75,751 | | 18,367 | | 9,413 | |

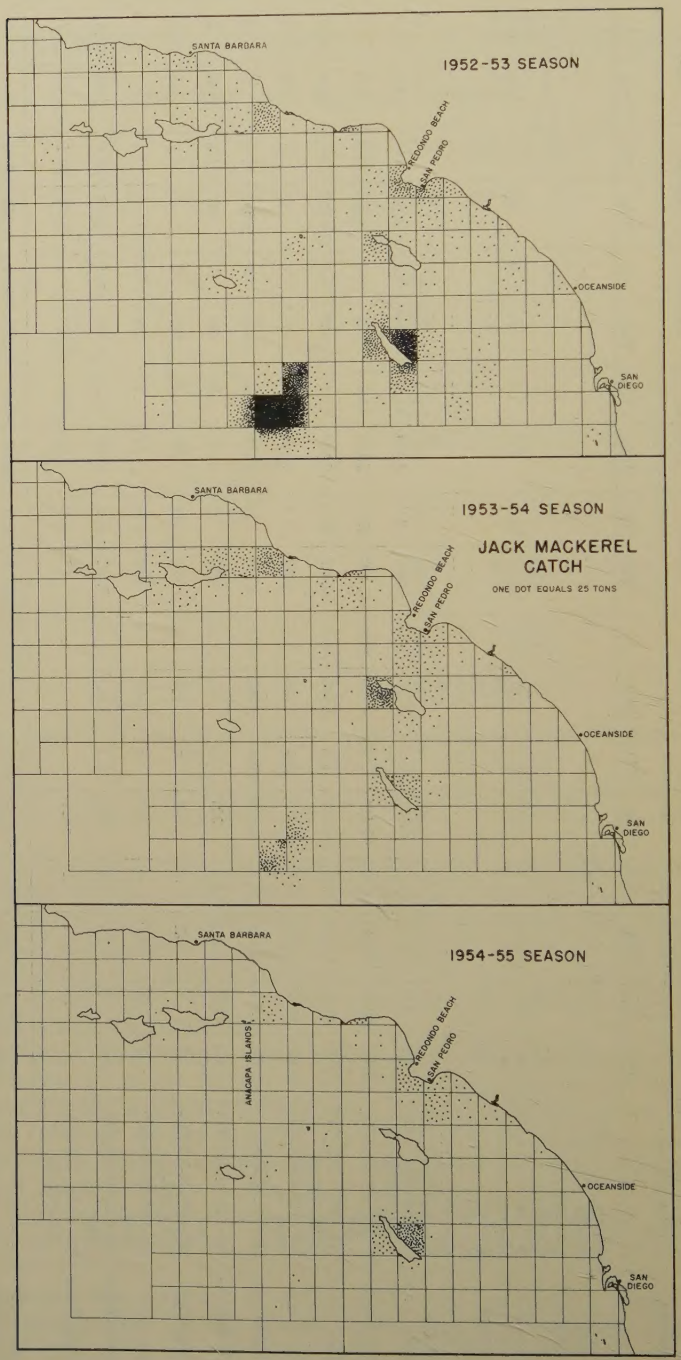
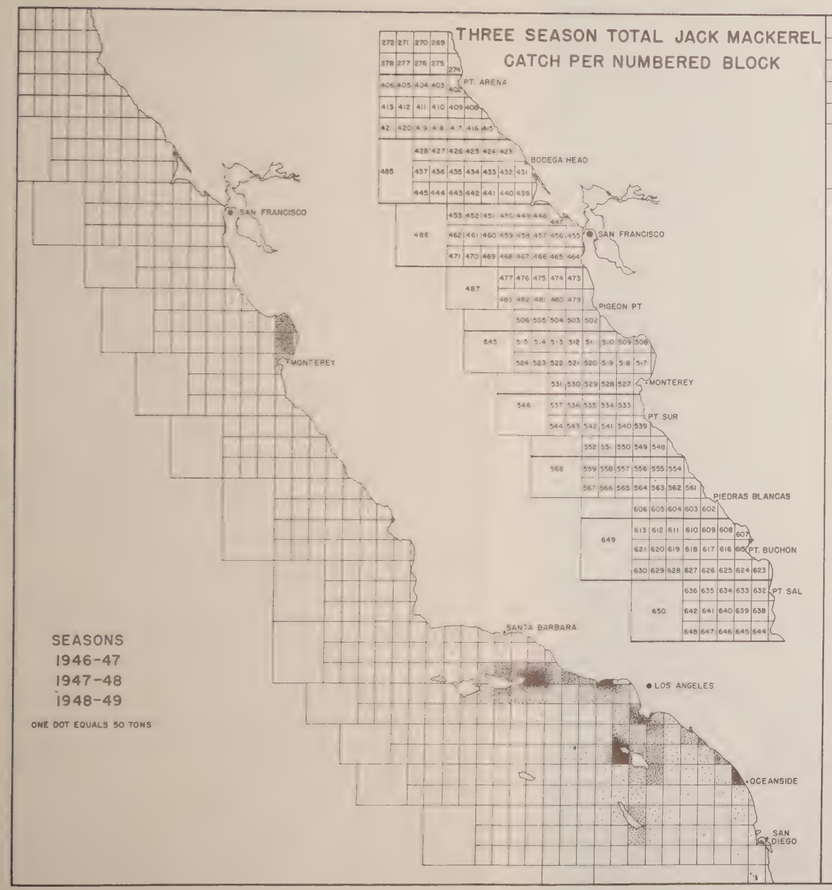
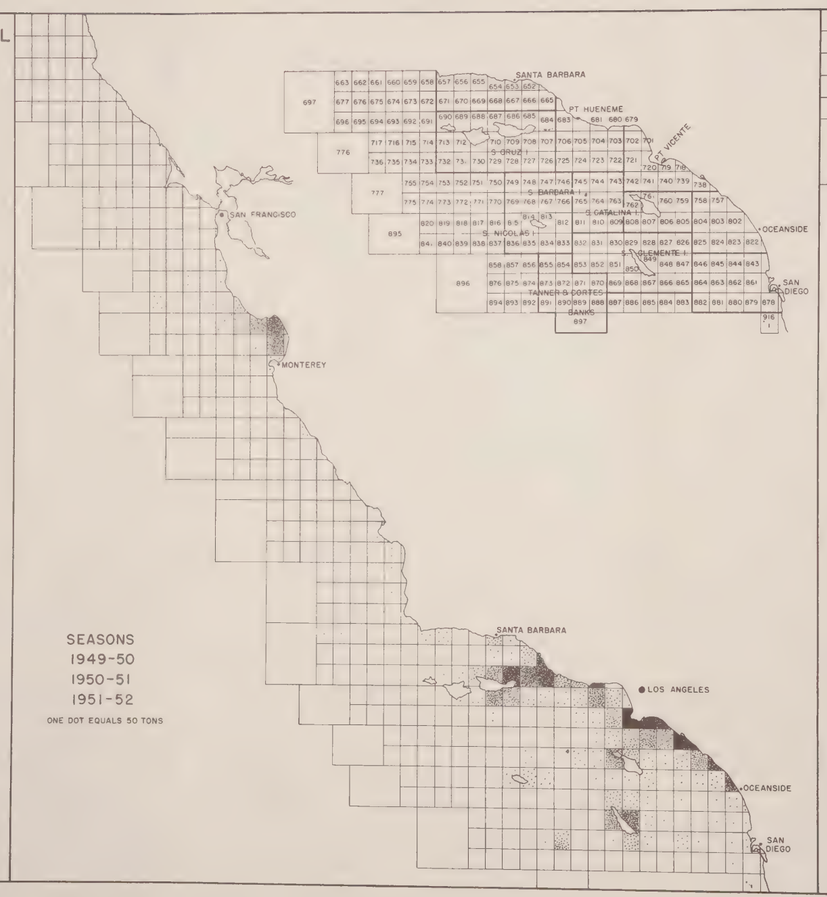



FIGURE 3. Three-season Southern California jack mackerel catch.

FIGURE 4


THREE SEASON TOTAL JACK MACKEREL
CATCH PER NUMBERED BLOCK
PT. ARENA
BODEGA HEAD
SAN FRANCISCO
PIGEON PT
MONTEREY
PT SUR
PIEDRAS BLANCAS
PT. BUCHON
PT SAL
SANTA BARBARA
LOS ANGELES
OCEANSIDE
SAN DIEGO
SEASONS
1946-47
1947-48
1948-49
ONE DOT EQUALS 50 TONS


SANTA BARBARA
PT HUENEME
S. CRUZ I
S. BARBARA I
S. CATALINA I
S. NICOLAS I
S. CLEMENTE I
TANNER & CORTES
BANKS
SAN FRANCISCO
MONTEREY
SANTA BARBARA
LOS ANGELES
OCEANSIDE
SAN DIEGO
SEASONS
1949-50
1950-51
1951-52
ONE DOT EQUALS 50 TONS

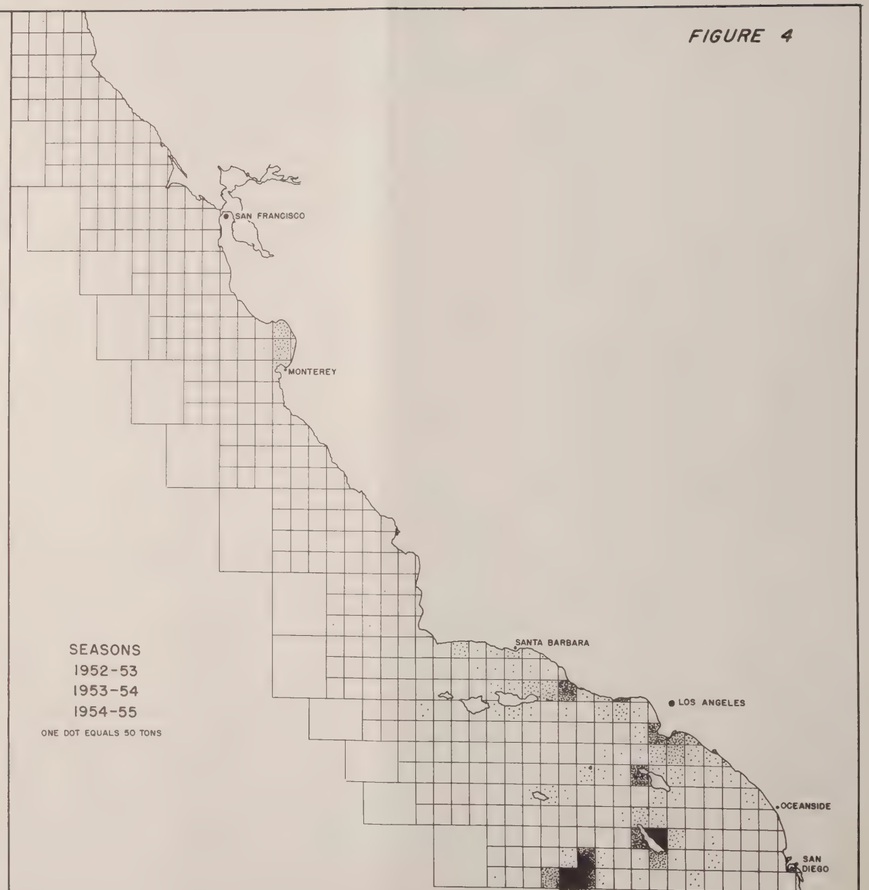
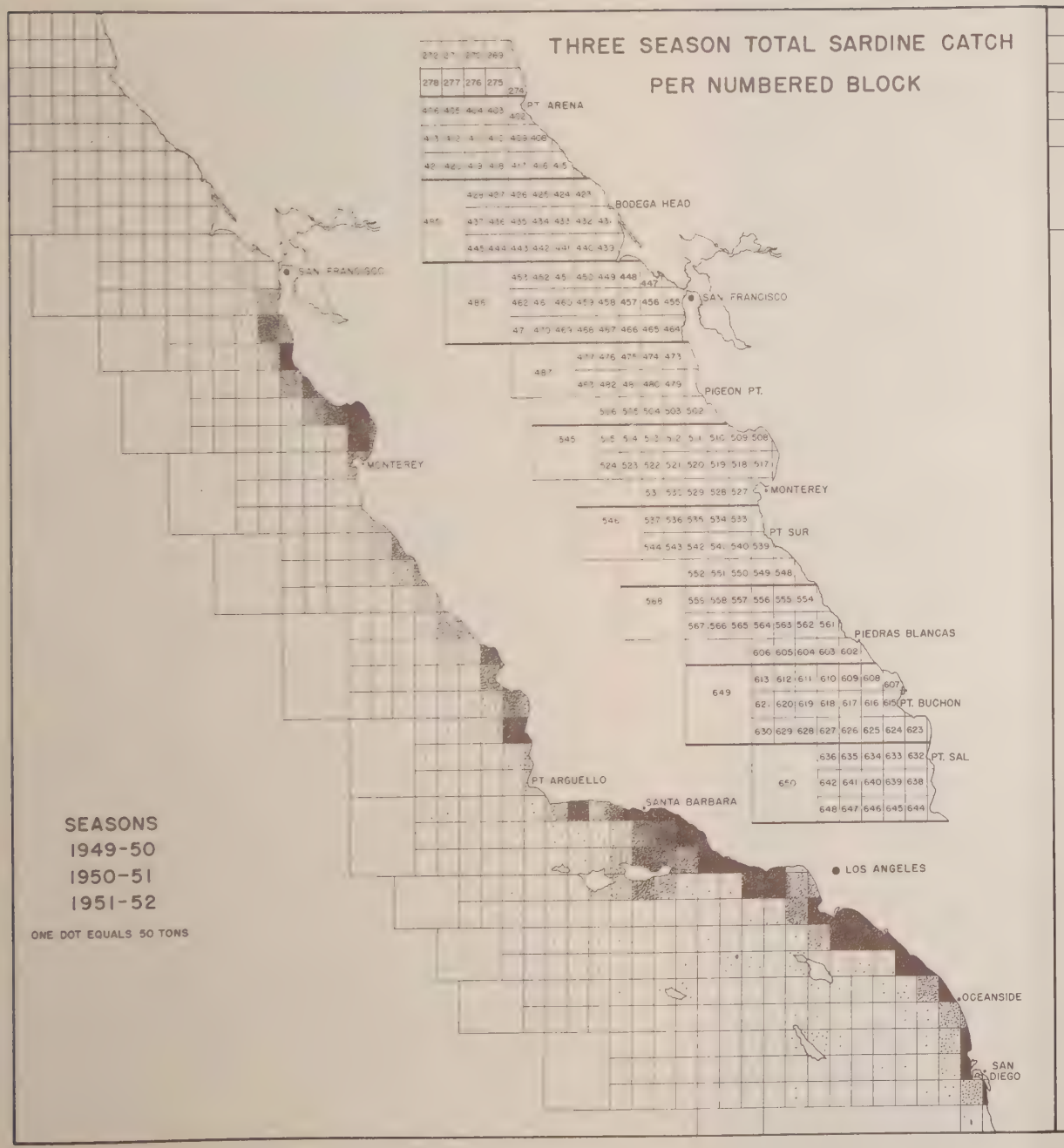
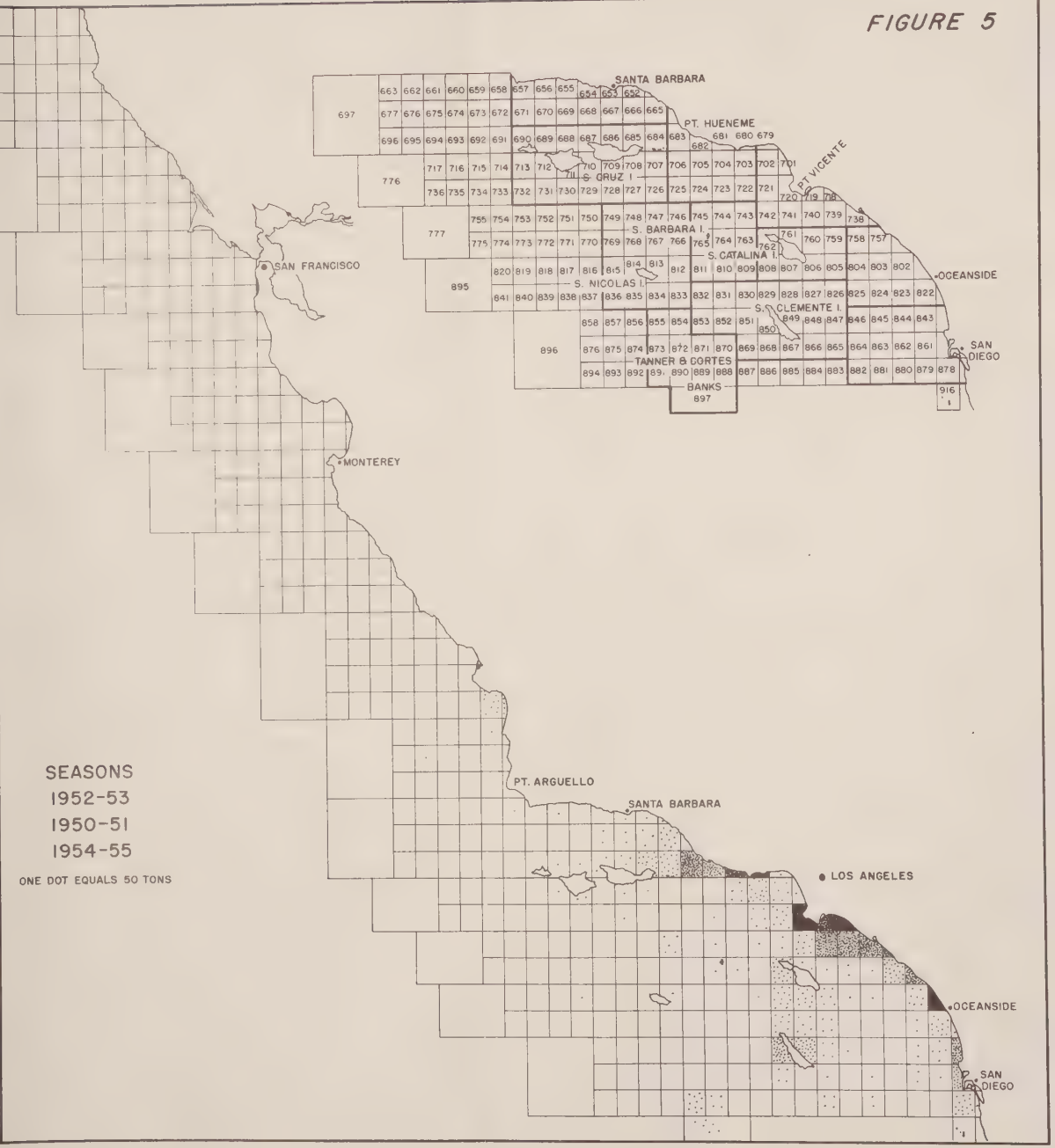
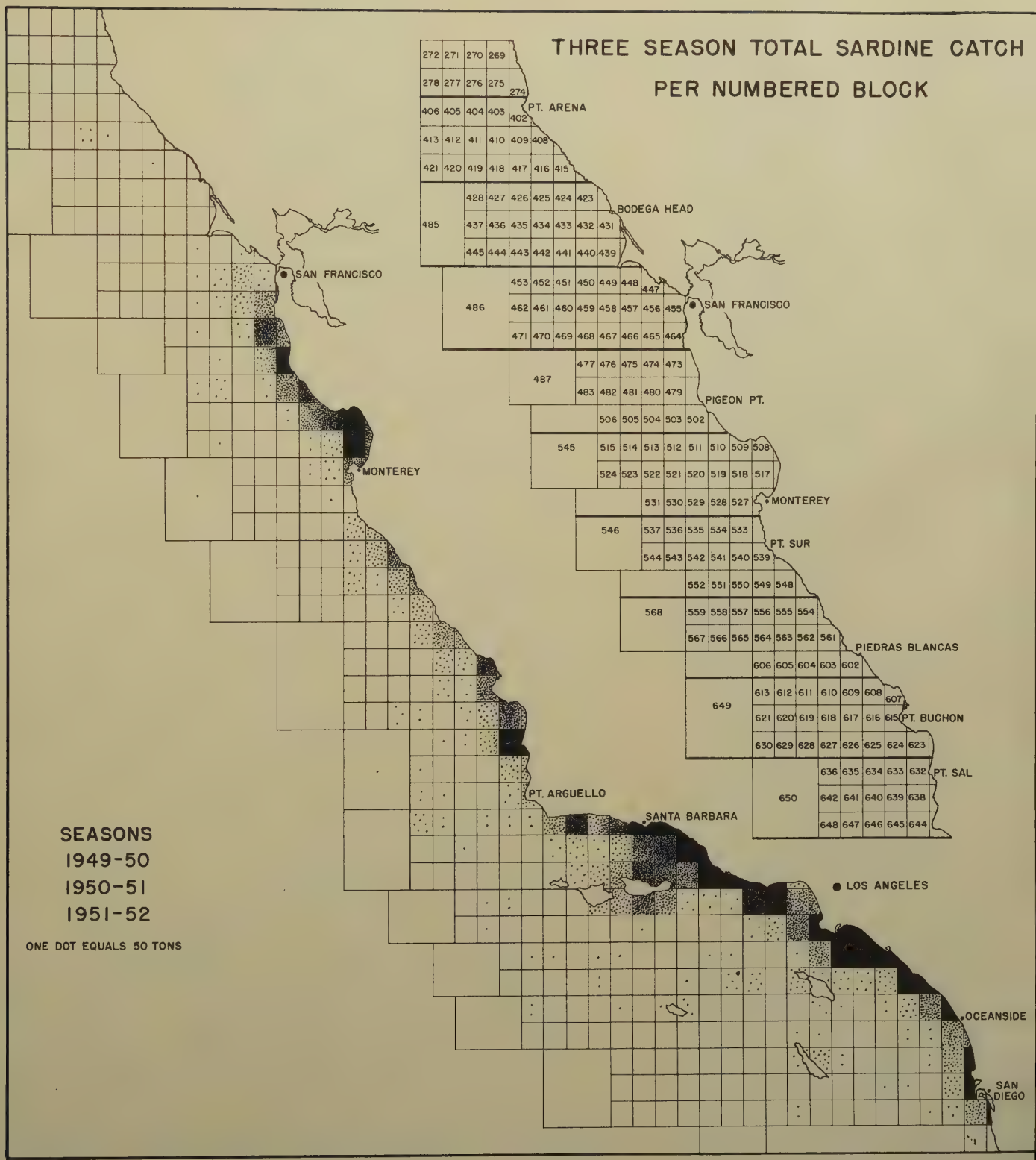

SAN FRANCISCO
MONTEREY
SANTA BARBARA
LOS ANGELES
OCEANSIDE
SAN DIEGO
SEASONS
1952-53
1953-54
1954-55
ONE DOT EQUALS 50 TONS

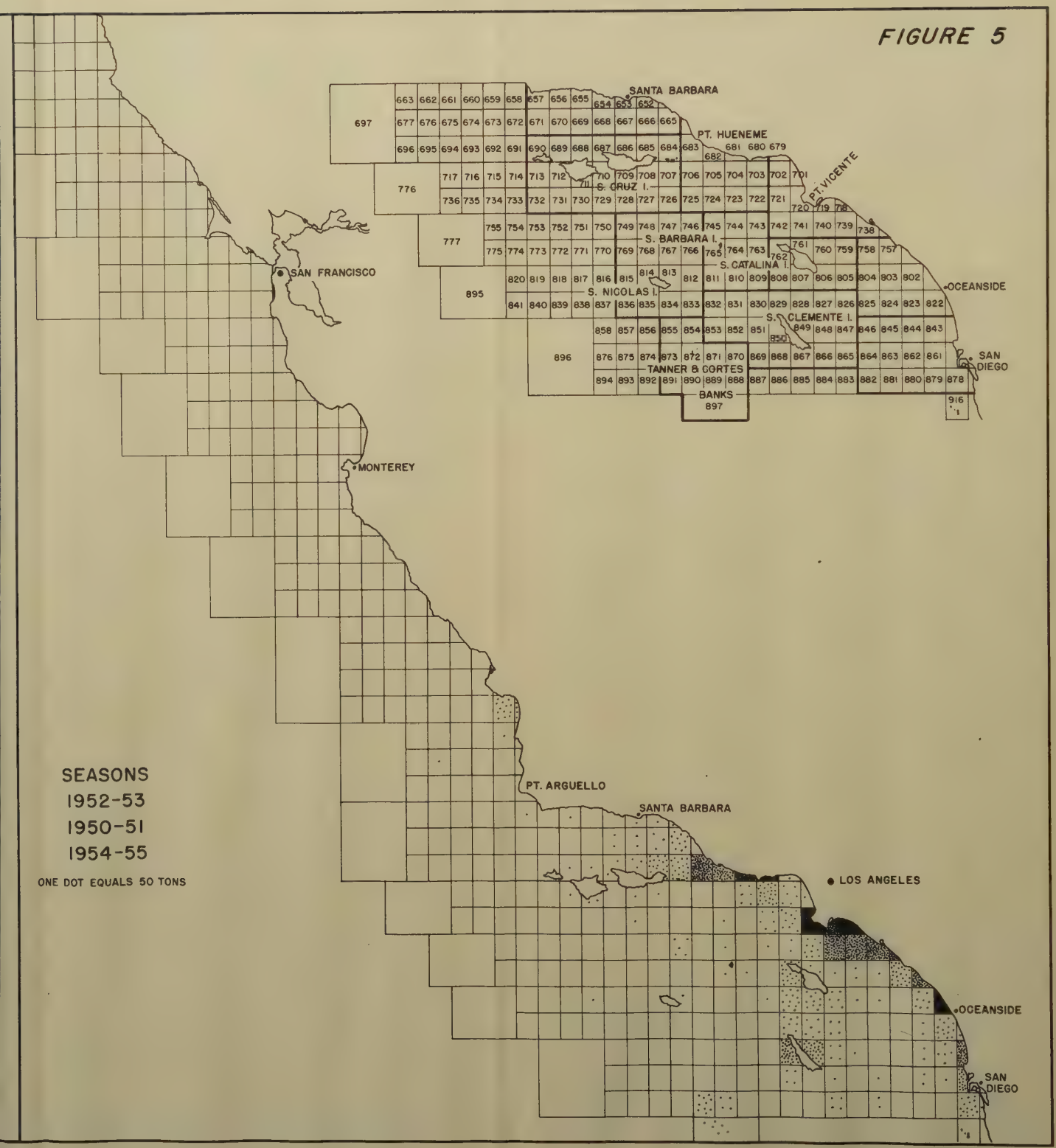
FIGURE 5


THREE SEASON TOTAL SARDINE CATCH
PER NUMBERED BLOCK
PT ARENA
BODEGA HEAD
SAN FRANCISCO
PIGEON PT.
MONTEREY
PT SUR
PIEDRAS BLANCAS
PT. BUCHON
PT. SAL
PT ARGUELLO
SANTA BARBARA
LOS ANGELES
OCEANSIDE
SAN DIEGO
SEASONS
1949-50
1950-51
1951-52
ONE DOT EQUALS 50 TONS


SANTA BARBARA
PT. HUENEME
PT VICENTE
S. CRUZ I.
S. BARBARA I.
S. CATALINA I.
S. NICOLAS I.
S. CLEMENTE I.
TANNER & CORTES
BANKS
SAN FRANCISCO
MONTEREY
PT. ARGUELLO
SANTA BARBARA
LOS ANGELES
OCEANSIDE
SAN DIEGO
SEASONS
1952-53
1950-51
1954-55
ONE DOT EQUALS 50 TONS


THREE SEASON TOTAL SARDINE CATCH
PER NUMBERED BLOCK
272 271 270 269
278 277 276 275 274
406 405 404 403 402
413 412 411 410 409 408
421 420 419 418 417 416 415
PT. ARENA
428 427 426 425 424 423
485
437 436 435 434 433 432 431
445 444 443 442 441 440 439
BODEGA HEAD
453 452 451 450 449 448 447
SAN FRANCISCO
486
462 461 460 459 458 457 456 455
471 470 469 468 467 466 465 464
477 476 475 474 473
487
483 482 481 480 479
PIGEON PT.
506 505 504 503 502
545
515 514 513 512 511 510 509 508
524 523 522 521 520 519 518 517
SAN FRANCISCO
MONTEREY
531 530 529 528 527
546
537 536 535 534 533
544 543 542 541 540 539
PT. SUR
552 551 550 549 548
568
559 558 557 556 555 554
567 566 565 564 563 562 561
PIEDRAS BLANCAS
606 605 604 603 602
649
613 612 611 610 609 608 607
621 620 619 618 617 616 615
PT. BUCHON
630 629 628 627 626 625 624 623
636 635 634 633 632
PT. SAL
650
642 641 640 639 638
648 647 646 645 644
MONTEREY
PT. ARGUELLO
SANTA BARBARA
LOS ANGELES
OCEANSIDE
SAN DIEGO
SEASONS
1949-50
1950-51
1951-52
ONE DOT EQUALS 50 TONS

# FIGURE 5


SANTA BARBARA
PT. HUENEME
PT. VICENTE
S. CRUZ I.
S. BARBARA I.
S. CATALINA I.
S. NICOLAS I.
S. CLEMENTE I.
TANNER & CORTES
BANKS
SAN FRANCISCO
OCEANSIDE
SAN DIEGO
MONTEREY
PT. ARGUELLO
SANTA BARBARA
LOS ANGELES
OCEANSIDE
SAN DIEGO
SEASONS
1952-53
1950-51
1954-55
ONE DOT EQUALS 50 TONS

During each of the nine seasons, a small fishery was carried on in Monterey Bay but the Southern California fishing ground yielded over 75 percent of the tonnage. From 1946-47 to 1948-49, the catches were centered around Anacapa and Santa Catalina Islands. In the next three seasons, 1949-50 to 1951-52, the fishery tended to concentrate around the Palos Verdes Peninsula between Redondo Beach and San Pedro and, in general, closer to shore. In the last three seasons, 1952-53 to 1954-55, the fishery again tended to be farther offshore with a majority of catches made on Tanner and Cortez Banks, especially in 1952-53 (Fig. 3). In 1953-54 a fair proportion of the catch was still made on the offshore banks but, the grounds around the islands of San Clemente, Santa Catalina, Anacapa and the mainland adjacent to Pt. Hueneme each produced about the same amount of fish as Tanner and Cortez Banks. During the 1954-55 season almost no fish were taken on the offshore banks and the fishery concentrated around San Clemente Island.

A better understanding of the relative tonnages taken from each of the general areas can be obtained from Table 1. Monterey catches have fluctuated from a low of 88 tons in 1952-53 to a high of 13,430 in 1950-51. In Southern California, the five areas, Pt. Hueneme, Pt. Vicente, Oceanside and the islands of Santa Cruz and Santa Catalina supplied the main bulk of the catch up to the 1952-53 season. In that season the offshore banks of Tanner and Cortez supplied two-thirds of the catch with San Clemente a poor second, 16.5 percent. In the 1953-54 season the three areas, Tanner and Cortez Banks, Santa Catalina Island and Pt. Hueneme, each contributed slightly over 19 percent of the catch. In 1954-55, San Clemente Island waters yielded almost half of the catch (41 percent) and Pt. Vicente, 22 percent.

The fisheries for sardines, Pacific mackerel and jack mackerel are closely allied and an analysis of one species is difficult without considering factors affecting the other two. During the sardine season the boats are fishing primarily for sardines, but they may take mackerel also. Consequently, during the sardine season the jack mackerel catches tend to reflect the search for, and catching of, sardines. This was especially true until the nearly total failure of the sardine fishery in 1952-53 and 1953-54. Because there were almost no sardine schools on the Southern California grounds in these two seasons, the fishing localities for jack mackerel more directly reflect the distribution of the mackerel throughout Southern California waters. The two seasons were marked by heavy catches on the offshore banks which suggests that the center of abundance of these fish tends to be well offshore. These fishing grounds are too far from port for the boats to make a round trip every 24 hours and they have been fished only when the yield from the nearer grounds was inadequate.

In 1954-55 sardines were more abundant off Southern California and the major part of the sardine catch was taken along the mainland. The jack mackerel catches, on the other hand, were made farther offshore and centered around San Clemente Island. Because sufficient sardines and jack mackerel were available in the nearer waters to more than supply the cannery needs, the data yield no information about the presence or absence of mackerel on Tanner and Cortez Banks in this season.

## SARDINE

The sardine fishery has long been a part of California's economy and for many years was considered an inexhaustible resource which yielded great income to fishermen, canners and allied industries. Because of the magnitude of this fishery, details of locality of catch have been published in previous years (Clark, 1937a and 1937b; Pinkas, 1951). Catch localities for the last six sardine seasons are shown in the accompanying charts and figures.

The season for processing sardines opens north of Point Arguello on August 1st and closes January 15th. South of this point the season opens October 1st and closes February 1st. Catches made prior to or after the season, for purposes other than processing, are excluded from the catch locality figures but not from the seasonal trend (Fig. 6).

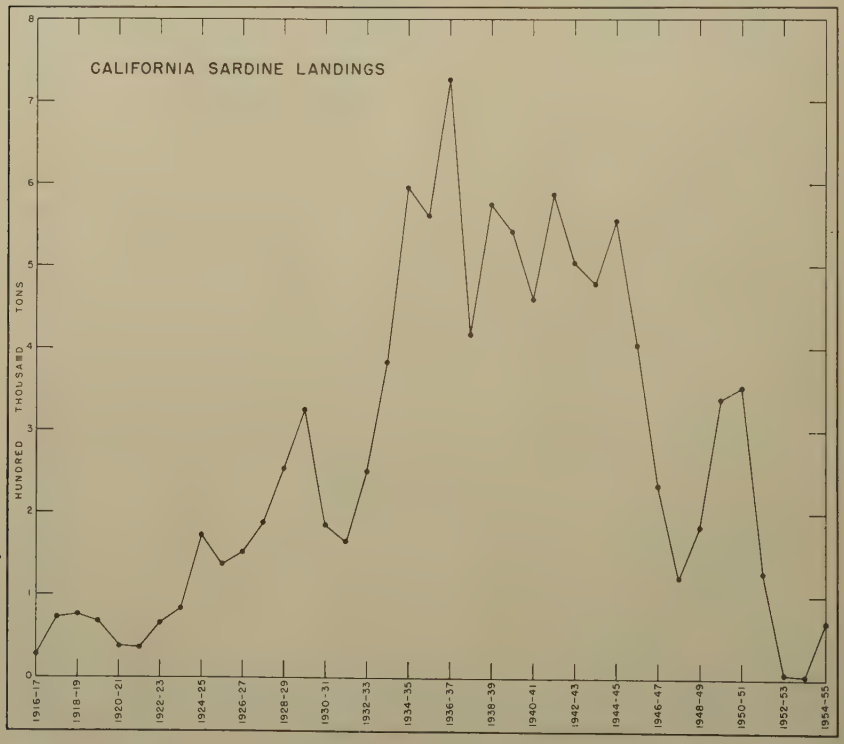



FIGURE 6. California sardine landings by season, 1916-17 through 1954-55. Includes deliveries to reduction ships 1930-38.

During the three seasons, 1949-50 through 1951-52, the locality of catch did not differ greatly and these three seasons have been combined in Figure 5. In this time interval, north of Point Arguello areas of greatest catch were around Pigeon Point, Monterey Bay and Point Sal. South of Point Arguello the greatest catches were taken off the mainland near Santa Barbara, Hueneme and south to Point Dume, and from Point Vicente to Oceanside. An area of minor concentration occurred north of San Diego and considerable poundages were taken off Santa

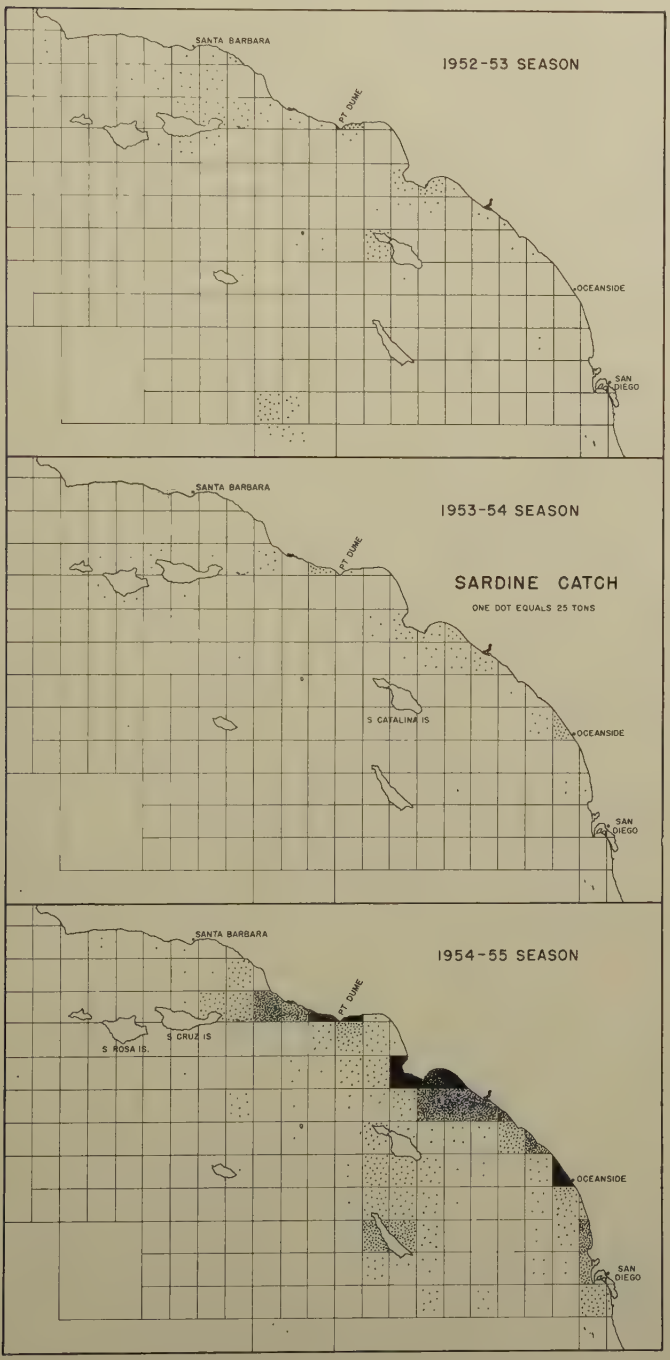



FIGURE 7. Three-season Southern California sardine catch.

Rosa Island. The remaining catches were scattered from north of San Francisco to the Mexican border, with the biggest portion of the take for these years coming from Southern California waters.

Between 1952-53 and 1954-55, the locality of fishing showed marked changes. There were practically no fish taken north of Point Buchon and the fishery was concentrated south and east of Hueneme. This was quite different from previous periods as some sardines had always been taken off Central California and in some years the latter fishing grounds supplied the major portion of the catch. Not only was the fishery concentrated in Southern California waters in the last three seasons, but, in addition, the landings declined seriously and the total take was less than any one season's catch since the early 1920's. The areas of greatest concentration were Point Vicente and Oceanside with a scattering of catches off Hueneme and Point Dume. Tanner and Cortez Banks yielded some fish and a few vessels caught sardines south of the International boundary.

In order to better understand the changes occurring in the last three seasons, catch localities for each season are shown in Figure 7. The most outstanding features are the small tonnages (less than 8,000) landed in 1952-53 and 1953-54 and the catches on Tanner and Cortez Banks in 1952-53. In this season these offshore banks yielded 23 percent of the landings. This was closely associated with the jack mackerel fishery during this time interval and the tonnage of sardines taken on these banks was insignificant in comparison with the jack mackerel landings. This offshore fishery does not indicate a great abundance of sardines well offshore and presumably the boats would not have fished the area had not jack mackerel been available and accepted by the canners. Of the remainder of the 1952-53 catch, approximately 18 percent came from the Santa Cruz Island area and an equal percentage was taken off Point Vicente. The waters around Santa Catalina Island yielded slightly over 10 percent (See Table 2).

The very small landings in 1953-54 came chiefly from coastal waters with 41 percent off Point Vicente, 25 percent off Oceanside and 16 percent off Hueneme.

## TABLE 2

### Sardine Catch by General Fishing Areas

| General area | Block numbers | 1949-50 | | 1950-51 | | 1951-52 | | 1952-53 | | 1953-54 | | 1954-55 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Tons | % | Tons | % | Tons | % | Tons | % | Tons | % | Tons | % |
| Point Arena | 401-421 | 117 | .0 | 154 | .0 | -- | -- | -- | -- | -- | -- | -- | -- |
| Bodega Head | 422-445 | 35 | .0 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| San Francisco | 446-471 | 4,027 | 1.2 | 2,020 | .6 | -- | -- | -- | -- | -- | -- | -- | -- |
| Pigeon Point | 472-506 | 20,962 | 6.4 | 9,834 | 2.9 | -- | -- | -- | -- | -- | -- | -- | -- |
| Monterey | 507-531 | 91,215 | 27.8 | 16,476 | 4.9 | 51 | .0 | -- | -- | -- | -- | -- | -- |
| Point Sur | 532-552 | 4,326 | 1.3 | 1,128 | .3 | -- | -- | -- | -- | -- | -- | -- | -- |
| Piedras Blancas | 553-606 | 7,300 | 2.2 | 1,810 | .5 | 426 | .3 | -- | -- | -- | -- | -- | -- |
| Point Buchon | 607-630 | 11,556 | 3.5 | 3,175 | .9 | 4,375 | 3.5 | -- | -- | -- | -- | 774 | 1.2 |
| Point Sal | 631-648 | 3,177 | 1.0 | 10,092 | 3.0 | 10,035 | 8.1 | 42 | 1.0 | -- | -- | 40 | .1 |
| Santa Barbara | 651-657, 665-671 | 8,699 | 2.6 | 56,501 | 16.8 | 26,027 | 21.0 | 433 | 10.2 | 15 | .6 | 655 | 1.0 |
| Port Hueneme | 664, 680-683, 703-706, 722-725 | 43,442 | 13.2 | 87,123 | 25.9 | 31,787 | 25.7 | 514 | 12.2 | 434 | 16.1 | 10,889 | 17.1 |
| Santa Cruz Island | 684-690, 707-713, 726-732 | 12,739 | 3.9 | 14,522 | 4.3 | 5,040 | 4.1 | 757 | 17.9 | 263 | 9.8 | 1,313 | 2.0 |
| Point Vicente | 679, 701, 702, 718-721, 737-742 | 90,148 | 27.5 | 87,409 | 26.0 | 34,224 | 27.7 | 795 | 18.8 | 1,115 | 41.4 | 30,462 | 47.7 |
| Oceanside | 756-758, 801-804, 821-825 | 25,213 | 7.7 | 31,611 | 9.4 | 7,302 | 5.9 | 58 | 1.4 | 693 | 25.8 | 8,854 | 13.9 |
| Santa Catalina Island | 759-762, 805-808 | 843 | .3 | 335 | .1 | 407 | .3 | 496 | 11.7 | 7 | .3 | 2,021 | 3.2 |
| Santa Barbara Island | 743-745, 763-765, 809-811 | 226 | .1 | 301 | .1 | 99 | .1 | 60 | 1.4 | -- | -- | 157 | .2 |
| San Nicolas Island | 746-749, 766-769, 812-815, 833-836 | 44 | .0 | 96 | .0 | 194 | .2 | 26 | .6 | 31 | 1.2 | 262 | .4 |
| San Diego | 842-846, 860-864, 877-882 | 3,802 | 1.2 | 13,879 | 4.1 | 3,093 | 2.5 | 64 | 1.5 | 84 | 3.1 | 3,771 | 5.9 |
| San Clemente Island | 826-832, 847-852, 865-869 | 394 | .1 | 29 | .0 | 599 | .5 | 8 | .2 | 48 | 1.8 | 4,622 | 7.2 |
| Tanner & Cortez Bank | 853-855, 870-873, 888-891, 897 | -- | -- | 24 | .0 | 24 | .0 | 974 | 23.0 | -- | -- | 49 | .1 |
| Totals | | 328,265 | 100.0 | 336,519 | 99.8 | 123,683 | 99.9 | 4,227 | 99.9 | 2,690 | 100.1 | 63,869 | 100.0 |
| Tons of unknown origin not included above | | 8,071 | | 20,128 | | 3,676* | | 305 | | 497* | | 3,389* | |
| Total season's catch | | 336,336 | | 356,647 | | 127,359 | | 4,532 | | 3,187 | | 67,258 | |

* Includes poundages from south of the border.

Landings increased in 1954-55 to over 63,000 tons and it is estimated by many that the catch could have been twice as great had it not been for unfavorable economic conditions. The bulk of the catch was taken off the mainland with 48 percent from the waters off Point Vicente. Hueneme and Oceanside areas yielded 17 and 14 percent respectively. It is the consensus of the research agencies investigating the sardine that the increased landings during this season were due to a northward movement of sardines from central Baja California, Mexico. (Progress Report, California Cooperative Oceanic Fisheries Investigations, July 1, 1953-March 31, 1955, in press.)

The abrupt decline in sardines caught off Monterey and Central California is more clearly indicated by Table 2. Based on percentages in this table, the southern areas take on a false aura of importance. If the total seasonal catch is considered in conjunction with percentage figures, a clearer picture is obtained. The remnant sardine fishery in 1955 was off Southern California and no new fishing grounds were developed in this area except for sporadic catches off Tanner and Cortez Banks.

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## LIST OF COMMON AND SCIENTIFIC NAMES OF FISHES, CRUSTACEANS AND MOLLUSKS

### FISHES

| Common name | Scientific name |
|---|---|
| Anchovy | *Engraulis mordax* |
| Barracuda, California | *Sphyraena argentea* |
| Bonito | *Sarda chiliensis* |
| Cabezon | *Scorpaenichthys marmoratus* |
| Cabrilla | *Epinephelus analogus* |
| Carp | *Cyprinus carpio* |
| Catfish | |
| White catfish | *Ictalurus catus* |
| Brown bullhead | *Ameiurus nebulosus* |
| Corvina, shortfin | *Cynoscion parvipinnis* |
| Croaker, white (Kingfish) | *Genyonemus lineatus* |
| Small amounts of Queenfish | *Seriphus politus* |
| Dolphinfish, common | *Coryphaena hippurus* |
| Eel | |
| California moray | *Gymnothorax mordax* |
| Monkeyface-eel | *Cebidichthys violaceus* |
| Rock-eel | *Xiphister mucosus* |
| Flounder | |
| Starry flounder | *Platichthys stellatus* |
| Small amounts of other flatfishes | |
| Flyingfish | *Cypselurus californicus* |
| Grouper | *Species of Mycteroperca* |
| Hake | *Merluccius productus* |
| Halfmoon | *Medialuna californiensis* |
| Halibut, California | *Paralichthys californicus* |
| Halibut, Pacific | *Hippoglosus stenolepis* |
| Hardhead | |
| Greaser blackfish | *Orthodon microlepidotus* |
| Hardhead | *Mylopharodon conocephalus* |
| Herring, Pacific | *Clupea pallasi* |
| Lingcod | *Ophiodon elongatus* |
| Mackerel, jack | *Trachurus symmetricus* |
| Mackerel, Pacific | *Pneumatophorus diego* |
| Midshipman | *Species of Porichthys* |
| Needlefish, California | *Strongylura exilis* |
| Opaleye | *Girella nigricans* |
| Perch | |
| Surfperch | *Members of family Embiotocidae* |
| Pompano, California | *Palometa simillima* |
| Ratfish | *Hydrolagus colliei* |
| Rock bass | |
| Kelp bass | *Paralabrax clathratus* |
| Sand bass | *Paralabrax nebulifer* |
| Rockfish | *All species of Sebastodes and Sebastolobus* |
| Sablefish | *Anoplopoma fimbria* |
| Salmon | |
| King | *Oncorhynchus tshawytscha* |
| Silver | *Oncorhynchus kisutch* |
| Sanddab | *Citharichthys sordidus* |
| Small amounts of other species | |

| Common name | Scientific name |
|---|---|
| Sardine | *Sardinops caerulea* |
| Sargo, California | *Anisotremus davidsoni* |
| Sculpin | *Scorpaena guttata* |
| Sculpin, staghorn | *Leptocottus armatus* |
| Sea bass, black | *Stereolepis gigas* |
| Seabass, white | *Cynoscion nobilis* |
| Seatrout, greenling | *Hexagrammos decagrammus* |
| Shad | *Alosa sapidissima* |
| Shark | |
| Basking | *Cetorhinus maximus* |
| Bonito | *Isurus glaucus* |
| Dogfish | *Squalus acanthias* |
| Leopard | *Triakis semifasciata* |
| Soupfin | *Galeorhinus zyopterus* |
| Thresher | *Alopias vulpinus* |
| Varying amounts of other species | |
| Sheep-head | *Pimelometopon pulchrum* |
| Sierra | *Scomberomorus sierra* |
| Skate | |
| Big | *Raja binoculata* |
| California | *Raja inornata* |
| Longnose | *Raja rhina* |
| Smelt | |
| Grunion | *Leuresthes tenuis* |
| Jacksmelt | *Atherinopsis californiensis* |
| Surf | *Hyopmesus pretiosus* |
| Topsmelt | *Atherinops affinis* |
| Sole | |
| English | *Parophrys vetulus* |
| Dover | *Microstomus pacificus* |
| Petrale | *Eopsetta jordani* |
| Rex | *Glyptocephalus zachirus* |
| Varying amounts of other species | |
| Splittail | *Pogonichthys macrolepidotus* |
| Swordfish | *Xiphias gladius* |
| Tomcod | *Microgadus proximus* |
| Tuna | |
| Albacore | *Thunnus germo* |
| Bigeye | *Parathunnus sibi* |
| Black skipjack | *Euthynnus lineatus* |
| Bluefin | *Thunnus saliens* |
| Oriental | *Thunnus orientalis* |
| Skipjack | *Katsuwonus pelamis* |
| Yellowfin | *Neothunnus macropterus* |
| Turbot | |
| Curlfin | *Pleuronichthys decurrens* |
| Diamond | *Hypsopsetta guttulata* |
| Hornyhead | *Pleuronichthys verticalis* |
| Small amounts of other species | |
| Wahoo | *Acanthocybium solandri* |
| Whitebait | *Allosmerus elongatus*<br>*Spirinchus starksi*<br>Young of several other species |
| Whitefish, ocean | *Caulolatilus princeps* |
| Yellowtail | *Seriola dorsalis* |

**CRUSTACEANS**

| Common name | Scientific name |
|---|---|
| Crab | *Cancer magister* |
| Crab, rock | Other species of Cancer |
| Lobster, spiny | *Panulirus interruptus* |
| Prawn | *Pandalus sp.* |
| Shrimp, bay | *Crago franciscorum*<br>*Crago nigricauda* |
| Shrimp, ocean | *Pandalus jordani*<br>*Pandalus platyceros* |

**MOLLUSKS**

| | |
|---|---|
| Abalone | |
| Pink | *Haliotis corrugata* |
| Red | *Haliotis rufescens* |
| Southern green | *Haliotis fulgens* |
| White | *Haliotis sorenseni* |
| Clam | |
| Gaper | *Schizothaerus nuttalli* |
| Jackknife | *Tagelus californianus* |
| Japanese littleneck | *Tapes semidecussata* |
| Pismo | *Tivela stultorum* |
| Washington | *Saxidomus nuttalli* |
| Mussel | *Mytilus californianus*<br>*Mytilus edulis* |
| Octopus | *Paroctopus apollyon* |
| Oyster | |
| Eastern | *Crassostrea virginica* |
| Native | *Ostrea lurida* |
| Pacific | *Crassostrea gigas* |
| Snail, sea | Various species |
| Squid | *Loligo opalescens* |

## EXPLANATION OF TABLES

Tables published in this bulletin supply the complete available records of all fish, mollusks and crustaceans landed in California by commercial fishing vessels or shipped into California for processing. Fishing boats registering and delivering their catch in California may have their home ports in California, Oregon, Washington or Alaska; no distinction or separation is made in the catch records.

The term "shipment" as used in the tables indicates that the fish were brought into California by common carrier and that they were not caught by our registered fishing fleet. Shipment figures are complete for fish that are processed. Statistics on shipments of fish destined for sale, either fresh or frozen, or for transshipment are not included because our records are incomplete.

On our source documents (fish receipts) the condition or extent of cleaning is not always shown, and for the various species of fish, this cannot be ascertained. We, therefore, use the weight as given by the dealer with the exception of catfish for 1953. This species is usually delivered cleaned, and as the cleaning loss is 50 percent, the total poundage on the fish receipt is doubled.

Mollusks and crustaceans are often purchased by number or container size rather than by weight. It is desirable to show all catch figures in round weight. Hence appropriate average conversion factors have been developed as follows:

| | | |
|---|---|---|
| Crab, market | 2 lbs. | each |
| Abalone, red | 50 lbs. | per doz. |
| Abalone, pink | 35 lbs. | per doz. |
| Abalone, southern green | 35 lbs. | per doz. |
| Clams, Mexican Pismo | 8 lbs. | round weight per 1 lb. cleaned weight |
| Clams, Washington | 7 lbs. | per dozen. |
| Oyster, eastern | 30 lbs. | per hundred |
| Oyster, Pacific | 50 lbs. | per hundred or 8 lbs. per gallon, cleaned |

Clams shipped from Japan are published in these tables as cleaned weights since no conversion factor is available.

The value of the species of fish is based on the value to the fishermen at the time of delivery. When the price per pound is not indicated on the fish receipt, an average price is calculated for each region and applied to the unpriced fish. The regions and counties contained therein are shown in Figure 1.

Occasionally small poundages of fish are sold in counties away from the coastal regions. In these instances credit is given to the nearest port and region. Halibut delivered in the San Francisco region is not always separated by species. Hence the total landed in that region is published as 90 percent Pacific halibut and 10 percent California halibut.

Due to changes in Fish and Game laws, it was necessary to modify the tables within this report. In the latter part of September, 1953, it became illegal to sell catfish other than those imported or raised domestically. As a result catfish appear in the 1953 tables but not in 1954. Rock bass caught in California waters were removed from sale in 1953 and all poundages of these fish in the latter part of 1953 and in 1954 came from south of the border. Sale of surf perch caught south of Point Arguello was also prohibited in 1953. In 1954, California sargo, halfmoon, opaleye and blacksmith, formerly combined with and shown as perch, are shown as distinct species. Since these fish are not members of the surf perch family (*Embiotocidae*), their sale is legal. In the past these species were frequently called perch. Now, through the cooperation of the fish dealers, they are distinguished as separate species.

The trend in total landings is shown in Table 3 and Figure 8 for the years 1916-1954. The pounds and value for 1953 and 1954 are compared in Tables 4 and 5 and Figures 9 and 10. The number of licensed fishermen and boats registered yearly are given in Tables 6 through 10. The term "yearly" is used as it distinguishes license year April 1 through March 31 from calendar year as used in the remaining tables.

Detailed poundages by species and regions for 1953 are included in Tables 11-20, and for 1954 in Tables 29-38. Similarly, value figures for 1953 are given in Tables 21-28 and for 1954 in Tables 39-46. The catch of the most important fish taken by party boat sportfishermen is given by numbers in Table 47 for the years 1947-1954. The live bait catch for 1950 through 1954 is included in Table 48.

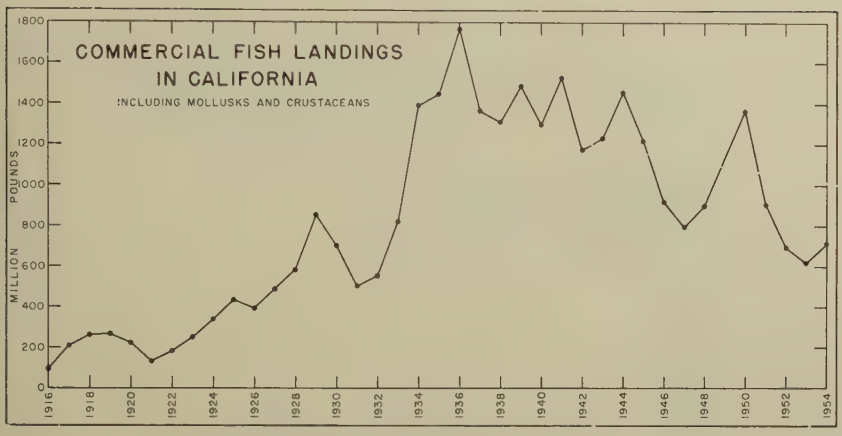


FIGURE 8. Total annual landings and shipments into California. Includes sardine deliveries to reduction ships 1930-38. See Table 3.

## TABLE 3

**Total Annual Landings and Shipments Into California of Commercial Fish, Mollusks, and Crustaceans Includes Sardine Deliveries to Reduction Ships During 1930 Through 1938**

| Year | Pounds | Year | Pounds |
|---|---|---|---|
| 1916 | 95,002,695 | 1936 | 1,764,900,136 |
| 1917 | 209,876,670 | 1937 | 1,362,983,717 |
| 1918 | 261,134,265 | 1938 | 1,310,595,651 |
| 1919 | 266,270,240 | 1939 | 1,486,534,906 |
| 1920 | 222,004,376 | 1940 | 1,297,517,441 |
| 1921 | 135,347,826 | 1941 | 1,529,147,645 |
| 1922 | 182,343,333 | 1942 | 1,173,414,078 |
| 1923 | 253,874,581 | 1943 | 1,234,049,119 |
| 1924 | 340,445,919 | 1944 | 1,459,445,859 |
| 1925 | 437,502,232 | 1945 | 1,216,467,433 |
| 1926 | 394,964,393 | 1946 | 919,850,476 |
| 1927 | 487,166,143 | 1947 | 795,498,998 |
| 1928 | 583,526,751 | 1948 | 900,540,206 |
| 1929 | 856,854,055 | 1949 | 1,135,325,345 |
| 1930 | 702,188,795 | 1950 | 1,366,596,282 |
| 1931 | 502,389,875 | 1951 | 904,088,178 |
| 1932 | 556,139,053 | 1952 | 694,976,990 |
| 1933 | 821,805,007 | 1953 | 618,898,616 |
| 1934 | 1,390,798,650 | 1954 | 713,406,246 |
| 1935 | 1,448,016,584 | | |

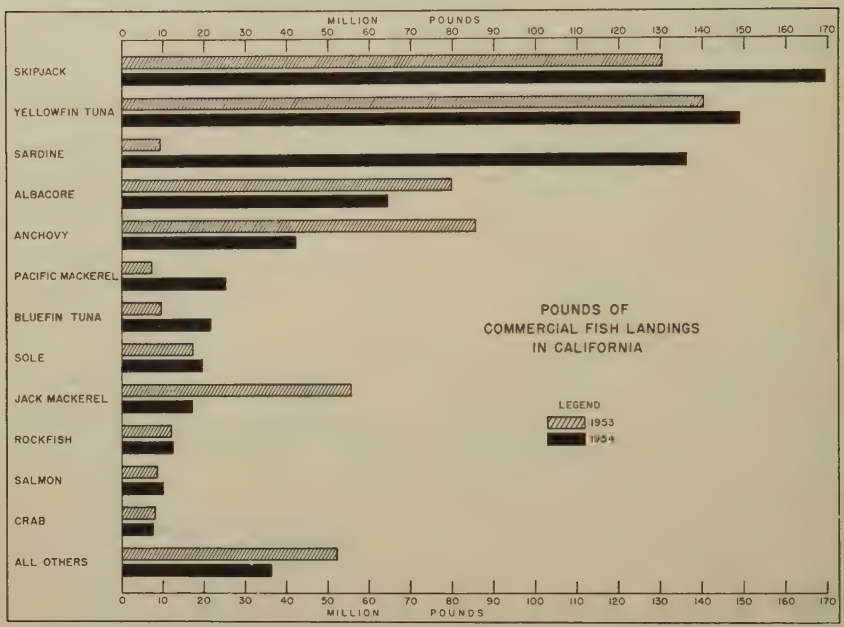


FIGURE 9. Comparative landings in 1953 and 1954 of the more important commercial species. Includes shipments and fishing boat landings. See Table 4.

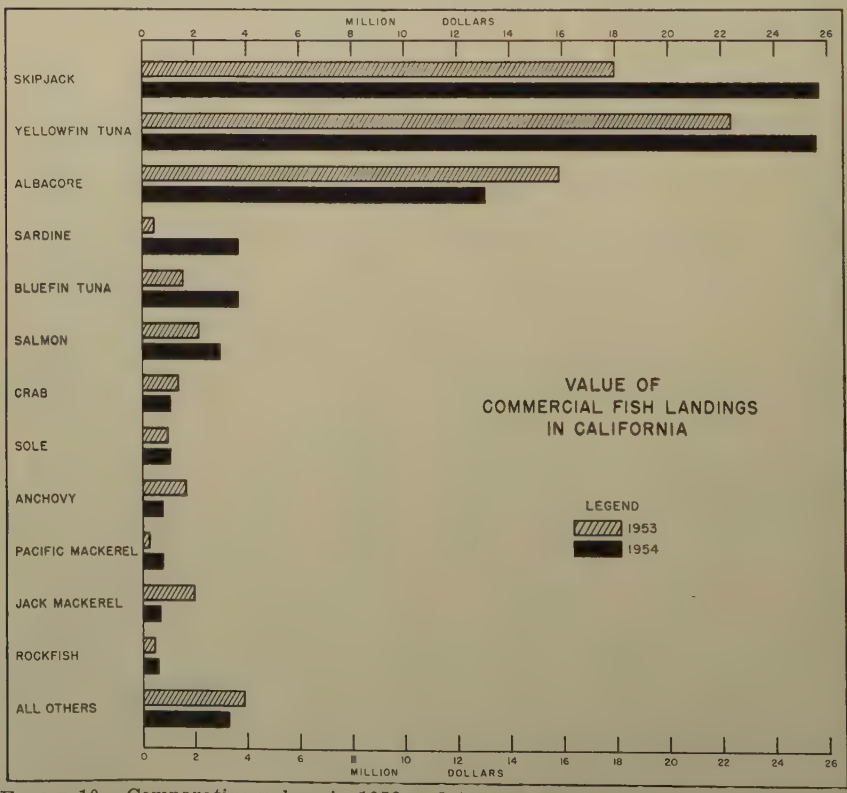


FIGURE 10. Comparative values in 1953 and 1954 of the more important commercial species. Includes shipments and fishing boat landings. See Table 5.

## TABLE 4

### Total Commercial Fish Landings and Shipments Into California

| 1953 | | 1954 | |
|---|---|---|---|
| Species | Pounds | Species | Pounds |
| Yellowfin tuna | 140,544,952 | Skipjack | 169,463,946 |
| Skipjack | 130,653,896 | Yellowfin tuna | 149,103,693 |
| Anchovy | 85,835,478 | Sardine | 136,509,767 |
| Albacore | 80,022,721 | Albacore | 64,573,673 |
| Jack mackerel | 55,750,855 | Anchovy | 42,410,214 |
| Sole | 17,526,726 | Pacific mackerel | 25,392,604 |
| Rockfish | 12,222,073 | Bluefin tuna | 21,663,106 |
| Bluefin tuna | 9,835,062 | Sole | 19,732,179 |
| Sardine | 9,468,872 | Jack mackerel | 17,333,547 |
| Squid | 8,917,114 | Rockfish | 12,650,541 |
| Salmon | 8,793,165 | Salmon | 10,094,658 |
| Crab | 8,278,257 | Squid | 8,155,105 |
| Pacific herring | 7,978,195 | Crab | 7,828,208 |
| Pacific mackerel | 7,502,181 | Abalone | 4,099,525 |
| Pismo clam | 6,317,152 | Sablefish | 2,804,918 |
| Yellowtail | 5,212,383 | Bonito | 2,322,961 |
| Abalone | 4,720,350 | Yellowtail | 1,670,730 |
| Bonito | 3,102,647 | California barracuda | 1,588,611 |
| Sablefish | 2,114,532 | Bigeye tuna | 1,249,937 |
| California barracuda | 1,443,698 | White seabass | 1,206,551 |
| White croaker, (Kingfish) | 1,201,195 | All others | 13,551,772 |
| All others | 11,457,112 | | |
| Total pounds | 618,898,616 | Total pounds | 713,406,246 |

## TABLE 5

### Value of Commercial Fish Landings and Shipments Into California

| 1953 | | 1954 | |
|---|---|---|---|
| Species | Value | Species | Value |
| Yellowfin tuna | $22,424,554 | Skipjack | $25,680,987 |
| Skipjack | 17,999,482 | Yellowfin tuna | 25,559,675 |
| Albacore | 15,853,440 | Albacore | 13,142,936 |
| Salmon | 2,196,464 | Sardine | 3,701,222 |
| Jack mackerel | 1,993,865 | Bluefin tuna | 3,655,684 |
| Anchovy | 1,707,514 | Salmon | 3,031,839 |
| Bluefin tuna | 1,560,385 | Crab | 1,146,261 |
| Crab | 1,426,477 | Sole | 1,144,770 |
| Sole | 1,035,666 | Anchovy | 850,527 |
| Rockfish | 541,178 | Pacific mackerel | 808,592 |
| Sardine | 527,701 | Jack mackerel | 661,209 |
| Yellowtail | 489,977 | Rockfish | 553,756 |
| Abalone | 438,907 | All other | 3,314,054 |
| All others | 3,332,637 | | |
| Total value | $71,528,247 | Total value | $83,251,512 |

## TABLE 6

### Yearly Number of Licensed Commercial Fishermen in California

| | | | |
|---|---|---|---|
| 1945-1946 | 11,747 | 1950-1951 | 14,600 |
| 1946-1947 | 12,312 | 1951-1952 | 13,193 |
| 1947-1948 | 12,894 | 1952-1953 | 11,566 |
| 1948-1949 | 14,261 | 1953-1954 | 11,372 |
| 1949-1950 | 14,962 | 1954-1955 | 11,647 |

## TABLE 7

### Number of Commercial Fishermen Licensed by Region and License Year

| Region of residence | Number of fishermen | |
|---|---|---|
| | 1953-1954 | 1954-1955 |
| Eureka | 836 | 886 |
| Sacramento | 408 | 460 |
| San Francisco | 1,215 | 1,292 |
| Monterey | 936 | 971 |
| Santa Barbara | 467 | 451 |
| Los Angeles | 3,602 | 3,719 |
| San Diego | 2,922 | 3,015 |
| Alaska, Washington and Oregon fishermen licensed in California | 920 | 797 |
| Mexican nationals licensed in California | 56 | 50 |
| Other registry | 10 | 6 |
| Totals | 11,372 | 11,647 |

## TABLE 8

### Yearly Number of Fishing Boats, Grouped According to Length

| Season | Under 40 feet | 40 to 84 feet | 85 feet and over | Total |
|---|---|---|---|---|
| 1945-1946 | 3,103 | 943 | 99 | 4,145 |
| 1946-1947 | 3,558 | 1,144 | 155 | 4,857 |
| 1947-1948 | 3,639 | 1,201 | 202 | 5,042 |
| 1948-1949 | 4,088 | 1,378 | 256 | 5,722 |
| 1949-1950 | 4,294 | 1,595 | 271 | 6,160 |
| 1950-1951 | 4,127 | 1,710 | 266 | 6,103 |
| 1951-1952 | 3,927 | 1,631 | 279 | 5,837 |
| 1952-1953 | 3,599 | 1,583 | 272 | 5,454 |
| 1953-1954 | 3,589 | 1,595 | 246 | 5,430 |
| 1954-1955 | 3,167 | 1,520 | 215 | 4,902 |

## TABLE 9

### Number of Fishing Boats, Grouped by Length and Region of Home Port, During the 1953-1954 Season

| Region of home port | Number of boats, grouped by length | | | | | | Total number of boats for each region |
|---|---|---|---|---|---|---|---|
| | Up to 24 feet | 25 to 39 feet | 40 to 64 feet | 65 to 84 feet | 85 to 99 feet | 100 feet and over | |
| Eureka | 137 | 239 | 101 | 8 | | 4 | 489 |
| Sacramento | 56 | 167 | 20 | 1 | 1 | 1 | 246 |
| San Francisco | 51 | 560 | 148 | 12 | 1 | 2 | 774 |
| Monterey | 113 | 233 | 68 | 29 | 3 | 1 | 447 |
| Santa Barbara | 44 | 131 | 76 | 2 | | | 253 |
| Los Angeles | 358 | 977 | 438 | 104 | 39 | 22 | 1,938 |
| San Diego | 140 | 330 | 174 | 25 | 43 | 116 | 828 |
| Alaska, Washington and Oregon | | 53 | 326 | 63 | 6 | 7 | 455 |
| Total number of boats | 899 | 2,690 | 1,351 | 244 | 93 | 153 | 5,430 [1] |

[1] The owners of 919 of these vessels were issued fishing party permits.

## TABLE 10

### Number of Fishing Boats, Grouped by Length and Region of Home Port, During the 1954-1955 Season

| Region of home port | Number of boats, grouped by length | | | | | | Total number of boats for each region |
|---|---|---|---|---|---|---|---|
| | Up to 24 feet | 25 to 39 feet | 40 to 64 feet | 65 to 84 feet | 85 to 99 feet | 100 feet and over | |
| Eureka | 104 | 223 | 84 | 4 | | 2 | 417 |
| Sacramento | 25 | 158 | 11 | 1 | | | 195 |
| San Francisco | 44 | 562 | 172 | 10 | 1 | 3 | 792 |
| Monterey | 107 | 232 | 57 | 20 | 1 | | 417 |
| Santa Barbara | 22 | 115 | 74 | 1 | | | 212 |
| Los Angeles | 253 | 809 | 409 | 96 | 22 | 22 | 1,611 |
| San Diego | 110 | 297 | 157 | 22 | 40 | 102 | 728 |
| Alaska, Washington and Oregon | 1 | 105 | 347 | 55 | 11 | 11 | 530 |
| Total number of boats | 666 | 2,501 | 1,311 | 209 | 75 | 140 | 4,902 [1] |

[1] The owners of 904 of these vessels were issued fishing party permits.

## TABLE 11

### Origin of Shipments of Fresh Fish Into California During 1953

| Shipped from | Shipped to | | | | | Total pounds |
|---|---|---|---|---|---|---|
| | Sacramento region | San Francisco region | Monterey region | Los Angeles region | San Diego region | |
| Continental United States: | | | | | | |
| Carp | ---- | ---- | ---- | 31,710 | ---- | 31,710 |
| Eel | ---- | ---- | ---- | 1,544 | ---- | 1,544 |
| Salmon | ---- | ---- | ---- | 26,608 | ---- | 26,608 |
| Miscellaneous fish | ---- | 18,355 | ---- | 111,073 | ---- | 129,428 |
| Oregon, Washington, British Columbia and Alaska: | | | | | | |
| Catfish | 155 | ---- | ---- | ---- | ---- | 155 |
| Halibut, Pacific | ---- | 4,292 | ---- | ---- | ---- | 4,292 |
| Herring, Pacific | ---- | 15,494 | ---- | 160,773 | ---- | 176,267 |
| Sablefish | ---- | 214,174 | ---- | 244,935 | ---- | 459,109 |
| Salmon | ---- | 166,420 | ---- | 594,026 | ---- | 760,446 |
| Shad | ---- | 5,126 | ---- | ---- | ---- | 5,126 |
| Tuna, bluefin | ---- | ---- | ---- | 2,076 | ---- | 2,076 |
| Miscellaneous fish | ---- | ---- | ---- | 69,592 | ---- | 69,592 |
| South of the international boundary: | | | | | | |
| Barracuda, California | ---- | ---- | ---- | ---- | 4,852 | 4,852 |
| Cabrilla | ---- | ---- | ---- | ---- | 5,644 | 5,644 |
| Corvina, shortfin | ---- | ---- | ---- | ---- | 3,010 | 3,010 |
| Croaker, white (Kingfish) | ---- | ---- | ---- | ---- | 135 | 135 |
| Grouper | ---- | ---- | ---- | ---- | 180 | 180 |
| Halibut, California | ---- | ---- | ---- | ---- | 145 | 145 |
| Rockfish | ---- | ---- | ---- | ---- | 4,188 | 4,188 |
| Seabass, white | ---- | ---- | ---- | ---- | 35,781 | 35,781 |
| Tuna, skipjack | ---- | ---- | ---- | 1,469,337 | ---- | 1,469,337 |
| Tuna, yellowfin | ---- | ---- | ---- | 836,493 | ---- | 836,493 |
| Crustacean: | | | | | | |
| Prawn | ---- | ---- | ---- | ---- | 2,600 | 2,600 |
| Mollusk: | | | | | | |
| Clam, Pismo | ---- | ---- | ---- | 6,317,152 | ---- | 6,317,152 |
| South America: | | | | | | |
| Tuna, albacore | ---- | ---- | ---- | 125,619 | ---- | 125,619 |
| Tuna, skipjack | ---- | 941,331 | 1,228,136 | 1,475,029 | 2,695,190 | 6,339,686 |
| Tuna, yellowfin | ---- | 73,020 | 646,150 | 1,186,689 | 677,786 | 2,583,645 |
| Hawaii: | | | | | | |
| Tuna, yellowfin | ---- | ---- | ---- | 11,897 | ---- | 11,897 |
| Japan: | | | | | | |
| Tuna, albacore | ---- | 3,616,813 | 190,578 | 33,749,567 | 8,504,239 | 46,061,197 |
| Tuna, bigeye | ---- | 20,000 | ---- | ---- | ---- | 20,000 |
| Tuna, skipjack | ---- | 201,585 | ---- | 250,959 | 86,169 | 538,713 |
| Tuna, yellowfin | ---- | 300,867 | ---- | 4,725,374 | ---- | 5,026,241 |
| Miscellaneous fish | ---- | ---- | ---- | 66 | ---- | 66 |
| Mollusk: | | | | | | |
| Clam[1] | ---- | ---- | ---- | 2,824 | ---- | 2,824 |
| Norway: | | | | | | |
| Tuna, bluefin | ---- | ---- | ---- | 60,371 | ---- | 60,371 |
| Tuna, yellowfin | ---- | ---- | ---- | 330 | ---- | 330 |
| Total pounds | 155 | 5,577,477 | 2,064,864 | 51,454,044 | 12,019,919 | 71,116,459 |

TABLE 11—Continued

**Origin of Shipments of Fresh Fish Into California During 1953**

| | Pounds | | Pounds |
|---|---|---|---|
| Recapitulation: | | | |
| Barracuda, California | 4,852 | Sablefish | 459,109 |
| Cabrilla | 5,644 | Salmon | 787,054 |
| Carp | 31,710 | Seabass, white | 35,781 |
| Catfish | 155 | Shad | 5,126 |
| Corvina, shortfin | 3,010 | Tuna, albacore | 46,186,816 |
| Croaker, white (Kingfish) | 135 | Tuna, bigeye | 20,000 |
| Eel | 1,544 | Tuna, bluefin | 62,447 |
| Grouper | 180 | Tuna, skipjack | 8,347,736 |
| Halibut, California | 145 | Tuna, yellowfin | 8,458,606 |
| Halibut, Pacific | 4,292 | Miscellaneous fish | 199,086 |
| Herring, Pacific | 176,267 | Crustacean: | |
| Rockfish | 4,188 | Prawn | 2,600 |
| | | Mollusk: | |
| | | Clam,[1] | 2,824 |
| | | Clam, Pismo | 6,317,152 |
| | | Total pounds | 71,116,459 |

[1] Cleaned weight, no conversion factor available.

## TABLE 12

### Origin of the Commercial Fish Landings and Shipments Into California During 1953

| Species | Fishing boat landings | | | | Shipments[1] | Total pounds of fishing boat landings and shipments combined |
|---|---|---|---|---|---|---|
| | California | North of the state boundary | South of the international boundary | Total fishing boat landings | | |
| Anchovy | 85,835,478 | ---- | ---- | 85,835,478 | ---- | 85,835,478 |
| Barracuda, California | 565,942 | ---- | 872,904 | 1,438,846 | 4,852 | 1,443,698 |
| Bonito | 19,069 | ---- | 3,083,578 | 3,102,647 | ---- | 3,102,647 |
| Cabezon | 13,306 | ---- | ---- | 13,306 | ---- | 13,306 |
| Cabrilla | ---- | ---- | 407,661 | 407,661 | 5,644 | 413,305 |
| Carp | 391,687 | ---- | ---- | 391,687 | 31,710 | 423,397 |
| Catfish | 29,754 | ---- | ---- | 29,754 | 155 | 29,909 |
| Corvina, shortfin | ---- | ---- | 180 | 180 | 3,010 | 3,190 |
| Croaker, white (Kingfish) | 1,201,060 | ---- | ---- | 1,201,060 | 135 | 1,201,195 |
| Eel | ---- | ---- | ---- | ---- | 1,544 | 1,544 |
| Flounder | 497,608 | 4,829 | ---- | 502,437 | ---- | 502,437 |
| Flyingfish | 72,831 | ---- | ---- | 72,831 | ---- | 72,831 |
| Grouper | ---- | ---- | 479,478 | 479,478 | 180 | 479,658 |
| Hake | 100,491 | 3,435 | ---- | 103,926 | ---- | 103,926 |
| Halibut, California | 387,739 | ---- | 142,576 | 530,315 | 145 | 530,460 |
| Halibut, Pacific | 98,219 | ---- | ---- | 98,219 | 4,292 | 102,511 |
| Hardhead | 45,358 | ---- | ---- | 45,358 | ---- | 45,358 |
| Herring, Pacific | 7,801,928 | ---- | ---- | 7,801,928 | 176,267 | 7,978,195 |
| Lingcod | 912,697 | 36,241 | 1,038 | 949,976 | ---- | 949,976 |
| Mackerel, jack | 55,750,343 | ---- | 512 | 55,750,855 | ---- | 55,750,855 |
| Mackerel, Pacific | 7,502,181 | ---- | ---- | 7,502,181 | ---- | 7,502,181 |
| Perch | 295,915 | ---- | 675 | 296,590 | ---- | 296,590 |
| Pompano, California | 11,391 | ---- | ---- | 11,391 | ---- | 11,391 |
| Rock bass | 23,419 | ---- | 10,696 | 34,115 | ---- | 34,115 |
| Rockfish | 12,045,983 | 136,768 | 35,134 | 12,217,885 | 4,188 | 12,222,073 |
| Sablefish | 1,609,056 | 46,367 | ---- | 1,655,423 | 459,109 | 2,114,532 |
| Salmon | 7,965,672 | 40,439 | ---- | 8,006,111 | 787,054 | 8,793,165 |
| Sanddab | 686,591 | 3,852 | ---- | 690,443 | ---- | 690,443 |
| Sardine | 9,429,816 | ---- | 39,056 | 9,468,872 | ---- | 9,468,872 |
| Sculpin | 119,418 | ---- | 120 | 119,538 | ---- | 119,538 |
| Sculpin, staghorn | 3,120 | ---- | ---- | 3,120 | ---- | 3,120 |
| Sea bass, black | 7,823 | ---- | 404,156 | 411,979 | ---- | 411,979 |
| Seabass, white | 471,206 | ---- | 402,087 | 873,293 | 35,781 | 909,074 |
| Seatrout, greenling | 139 | ---- | ---- | 139 | ---- | 139 |
| Shad | 608,223 | ---- | ---- | 608,223 | 5,126 | 613,349 |
| Shark | 433,067 | ---- | 16,690 | 449,757 | ---- | 449,757 |
| Sheep-head | 32,110 | ---- | 3,316 | 35,426 | ---- | 35,426 |
| Sierra | ---- | ---- | 906 | 906 | ---- | 906 |
| Skate | 415,669 | ---- | ---- | 415,669 | ---- | 415,669 |
| Smelt | 670,116 | ---- | ---- | 670,116 | ---- | 670,116 |
| Sole | 15,914,902 | 1,611,824 | ---- | 17,526,726 | ---- | 17,526,726 |
| Splittail | 921 | ---- | ---- | 921 | ---- | 921 |
| Swordfish | 107,579 | ---- | 35,252 | 142,831 | ---- | 142,831 |
| Tomcod | 517 | ---- | ---- | 517 | ---- | 517 |
| Tuna, albacore | 13,297,627 | 47,468 | 20,490,810 | 33,835,905 | 46,186,816 | 80,022,721 |

TABLE 12—Continued

**Origin of the Commercial Fish Landings and Shipments Into California During 1953**

| Species | Fishing boat landings | | | | Shipments[1] | Total pounds of fishing boat landings and shipments combined |
|---|---|---|---|---|---|---|
| | California | North of the state boundary | South of international boundary | Total fishing boat landings | | |
| Tuna, bigeye | ---- | ---- | ---- | ---- | 20,000 | 20,000 |
| Tuna, black skipjack | ---- | ---- | 4,215 | 4,215 | ---- | 4,215 |
| Tuna, bluefin | 3,903,642 | ---- | 5,868,973 | 9,772,615 | 62,447 | 9,835,062 |
| Tuna, skipjack | 1,284 | ---- | 122,304,876 | 122,306,160 | 8,347,736 | 130,653,896 |
| Tuna, yellowfin | 102 | ---- | 132,086,244 | 132,086,346 | 8,458,606 | 140,544,952 |
| Turbot | 69,158 | ---- | ---- | 69,158 | ---- | 69,158 |
| Wahoo | ---- | ---- | 26,188 | 26,188 | ---- | 26,188 |
| Whitebait | 179,292 | ---- | ---- | 179,292 | ---- | 179,292 |
| Whitefish, ocean | 912 | ---- | 4,927 | 5,839 | ---- | 5,839 |
| Yellowtail | 14,379 | ---- | 5,198,004 | 5,212,383 | ---- | 5,212,383 |
| Miscellaneous fish | 266,682 | 11,538 | 688 | 278,908 | 199,086 | 477,994 |
| Crustacean: | | | | | | |
| Crab | 8,274,865 | 3,392 | ---- | 8,278,257 | ---- | 8,278,257 |
| Crab, rock | 49,300 | ---- | ---- | 49,300 | ---- | 49,300 |
| Lobster, spiny | 749,245 | ---- | 807 | 750,052 | ---- | 750,052 |
| Prawn | 2,723 | ---- | ---- | 2,723 | 2,600 | 5,323 |
| Shrimp, bay | 732,308 | ---- | ---- | 732,308 | ---- | 732,308 |
| Shrimp, ocean | 271,749 | 15,661 | ---- | 287,410 | ---- | 287,410 |
| Mollusk: | | | | | | |
| Abalone | 4,720,350 | ---- | ---- | 4,720,350 | ---- | 4,720,350 |
| Clam[2] | ---- | ---- | ---- | ---- | 2,824 | 2,824 |
| Clam, gaper | 2,124 | ---- | ---- | 2,124 | ---- | 2,124 |
| Clam, jackknife | 47,777 | ---- | ---- | 47,777 | ---- | 47,777 |
| Clam, pismo | ---- | ---- | ---- | ---- | 6,317,152 | 6,317,152 |
| Clam, Washington | 10,216 | ---- | ---- | 10,216 | ---- | 10,216 |
| Mussel | 782 | ---- | ---- | 782 | ---- | 782 |
| Octopus | 17,124 | ---- | ---- | 17,124 | ---- | 17,124 |
| Oyster, eastern | 129,733 | ---- | ---- | 129,733 | ---- | 129,733 |
| Oyster, Pacific | 161,520 | ---- | ---- | 161,520 | ---- | 161,520 |
| Snail, sea | 244 | ---- | ---- | 244 | ---- | 244 |
| Squid | 8,917,114 | ---- | ---- | 8,917,114 | ---- | 8,917,114 |
| Total pounds | 253,898,596 | 1,961,814 | 291,921,747 | 547,782,157 | 71,116,459 | 618,898,616 |

[1] For origin of shipments refer to Table 11.
[2] Cleaned weight, no conversion factor available.

## TABLE 13

### Monthly Landings and Shipments Into California During 1953

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings: | | | | | | | | | | | | | |
| Anchovy | 6,227,531 | 9,817,307 | 4,970,326 | 7,423,784 | 15,511,057 | 15,762,791 | 3,998,003 | 3,636,721 | 6,410,129 | 3,586,019 | 5,236,503 | 3,255,307 | 85,835,478 |
| Barracuda, California | 41,689 | 357,109 | 201,382 | 154,737 | 258,950 | 162,664 | 90,395 | 19,488 | 58,549 | 60,918 | 14,445 | 18,520 | 1,438,846 |
| Bonito | 1,975 | 3,008 | 901 | | | 422 | 160,703 | 22,557 | 87,018 | 1,875,972 | 463,243 | 486,848 | 3,102,647 |
| Cabezon | 4,159 | 1,747 | 2,267 | 1,290 | 320 | 195 | 611 | 640 | 417 | 472 | 47 | 1,141 | 13,306 |
| Cabrilla | 70,025 | 99,662 | 53,077 | 69,175 | | 42,265 | 28,264 | | | 23,207 | 13,190 | 8,796 | 407,661 |
| Carp | 12,308 | 27,244 | 40,668 | 29,180 | 55,665 | 43,876 | 43,632 | 33,160 | 37,694 | 23,869 | 29,655 | 14,736 | 391,687 |
| Catfish | 5,686 | 1,122 | 5,448 | 16,058 | 346 | | | | 1,094 | | | | 29,754 |
| Corvina, shortfin | | | | | | | | | | | 180 | | 180 |
| Croaker, white (Kingfish) | 120,069 | 92,978 | 78,544 | 134,478 | 151,593 | 294,819 | 55,953 | 56,020 | 51,519 | 63,817 | 48,611 | 52,659 | 1,201,060 |
| Flounder | 8,406 | 22,186 | 23,375 | 53,223 | 33,253 | 18,088 | 35,464 | 79,792 | 35,587 | 115,808 | 53,978 | 23,277 | 502,437 |
| Flyingfish | | | | 140 | 22,961 | 19,465 | 9,694 | 18,883 | 1,688 | | | | 72,831 |
| Grouper | 83,799 | 88,773 | 50,530 | 26,156 | 60 | 10,293 | 5,036 | 20,097 | 1,377 | 6,522 | 90,910 | 95,925 | 479,478 |
| Hake | | | | | | | 5,050 | 23,745 | 950 | 48,607 | 4,762 | 20,812 | 103,926 |
| Halibut, California | 34,294 | 37,804 | 34,090 | 36,355 | 27,659 | 25,185 | 43,906 | 73,912 | 51,180 | 61,565 | 61,728 | 42,637 | 530,315 |
| Halibut, Pacific | 36,130 | 4,374 | 261 | 153 | 5,313 | 35,837 | 4,980 | 2,504 | 1,636 | 829 | 3,996 | 2,206 | 98,219 |
| Hardhead | 12,229 | 7,757 | 4,548 | 3,099 | | | | | | 7,164 | 3,558 | 7,603 | 45,358 |
| Herring, Pacific | 2,939,458 | 1,657,354 | 205,453 | 335,915 | 1,491,030 | 901,100 | 93,420 | 160,235 | 2,000 | | 1,850 | 14,113 | 7,801,928 |
| Lingcod | 22,849 | 15,767 | 42,139 | 67,620 | 105,651 | 119,520 | 141,070 | 146,454 | 138,257 | 81,630 | 36,878 | 32,141 | 949,976 |
| Mackerel, jack | 1,402,676 | 243,279 | 4,074,448 | 15,371,264 | 4,897,697 | 10,290,127 | 11,638,956 | 1,097,608 | 3,295,717 | 2,003,327 | 1,350,138 | 85,618 | 55,750,855 |
| Mackerel, Pacific | 106,388 | 63,592 | 425 | 14,261 | 7,653 | 24,797 | 130,667 | 183,558 | 381,297 | 2,467,128 | 3,830,912 | 291,503 | 7,502,181 |
| Perch | 15,410 | 10,375 | 43,163 | 79,932 | 18,675 | 4,101 | 29,985 | 32,340 | 21,108 | 18,207 | 11,858 | 11,436 | 296,590 |
| Pompano, California | 1,267 | 3,697 | 886 | 544 | 365 | 425 | 476 | 328 | 301 | 1,282 | 461 | 1,359 | 11,391 |
| Rock bass | 306 | 8,678 | 3,591 | 2,616 | 331 | 4,289 | 8,996 | 3,869 | 711 | 330 | 398 | | 34,115 |
| Rockfish | 855,623 | 878,230 | 1,297,389 | 1,238,417 | 1,029,667 | 918,990 | 918,634 | 1,100,685 | 1,132,328 | 1,122,484 | 878,565 | 846,873 | 12,217,885 |
| Sablefish | 52,403 | 72,688 | 84,496 | 134,327 | 130,786 | 151,940 | 206,429 | 217,412 | 138,513 | 234,817 | 94,390 | 137,222 | 1,655,423 |
| Salmon | 104 | 164 | 1,560 | 5,451 | 1,379,027 | 944,550 | 2,103,389 | 2,333,197 | 1,227,887 | | 2,444 | 8,338 | 8,006,111 |
| Sanddab | 20,354 | 38,479 | 75,330 | 63,098 | 74,359 | 68,009 | 79,892 | 71,242 | 43,984 | 62,510 | 42,693 | 50,493 | 690,443 |
| Sardine | 916,017 | 275,403 | 182,283 | 146,690 | 41,363 | 272,526 | 424,247 | 348,151 | 1,154,508 | 4,009,021 | 1,502,051 | 196,612 | 9,468,872 |
| Sculpin | 2,180 | 3,074 | 11,388 | 8,748 | 6,807 | 19,045 | 28,269 | 24,534 | 9,114 | 2,203 | 1,070 | 3,106 | 119,538 |
| Sculpin, staghorn | 200 | 175 | 120 | 495 | | | | | 95 | 760 | 910 | 365 | 3,120 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sea bass, black | 13,336 | 34,000 | 5,698 | 8,608 | 17,328 | 36,945 | 9,869 | 16,078 | 12,063 | 56,143 | 93,423 | 108,488 | 411,979 |
| Seabass, white | 24,214 | 10,538 | 28,924 | 38,231 | 65,173 | 114,070 | 132,703 | 172,096 | 94,940 | 98,241 | 50,805 | 43,358 | 873,293 |
| Seatrout, greenling | 14 | | | | | | | 25 | | | | 100 | 139 |
| Shad | | | 46,364 | 150,882 | 410,977 | | | | | | | | 608,223 |
| Shark | 46,334 | 17,822 | 18,858 | 23,206 | 49,628 | 62,531 | 37,088 | 46,913 | 32,580 | 41,757 | 32,186 | 40,854 | 449,757 |
| Sheep-head | 3,672 | 6,399 | 4,420 | 372 | 213 | 167 | 1,155 | 250 | 1,019 | 2,122 | 2,968 | 12,669 | 35,426 |
| Sierra | | 140 | 331 | | | | | | | | | 435 | 906 |
| Skate | 12,647 | 22,188 | 24,391 | 51,045 | 71,388 | 40,544 | 26,067 | 53,441 | 39,996 | 31,251 | 18,639 | 24,072 | 415,669 |
| Smelt | 28,886 | 71,345 | 63,686 | 39,949 | 33,050 | 28,112 | 119,132 | 53,799 | 82,120 | 51,150 | 50,118 | 48,769 | 670,116 |
| Sole | 915,702 | 856,991 | 785,407 | 1,187,715 | 1,197,547 | 1,794,506 | 2,108,081 | 2,614,951 | 2,092,448 | 1,886,625 | 941,998 | 1,144,755 | 17,526,726 |
| Splittail | 405 | 181 | 260 | 59 | 16 | | | | | | | | 921 |
| Swordfish | | | | | | 660 | 24,856 | 33,166 | 62,602 | 20,741 | 806 | | 142,831 |
| Tomcod | | | | | | | | | 97 | | | 420 | 517 |
| Tuna, albacore | | | | | | 97,258 | 9,171,814 | 11,422,084 | 11,115,104 | 1,940,715 | 88,930 | | 33,835,905 |
| Tuna, black skipjack | | | | | 4,215 | | | | | | | | 4,215 |
| Tuna, bluefin | | | 18,800 | | | 57 | 2,232,509 | 4,555,248 | 1,943,683 | 912,923 | 11,359 | 98,036 | 9,772,615 |
| Tuna, skipjack | 9,145,295 | 5,380,090 | 5,058,322 | 4,290,728 | 5,632,635 | 7,394,213 | 19,957,548 | 17,927,471 | 10,741,446 | 9,791,262 | 11,595,801 | 15,391,349 | 122,306,160 |
| Tuna, yellowfin | 6,029,499 | 3,701,518 | 8,860,271 | 20,083,050 | 19,552,360 | 17,626,029 | 18,927,059 | 13,004,105 | 6,738,359 | 4,688,476 | 5,900,730 | 6,974,890 | 132,086,346 |
| Turbot | 4,563 | 11,581 | 7,226 | 3,709 | 3,837 | 3,181 | 356 | 5,393 | 1,822 | 3,480 | 7,228 | 16,782 | 69,158 |
| Wahoo | | | | 19,714 | | 1,500 | 3,660 | | | | | 1,314 | 26,188 |
| Whitebait | 3,946 | 12,560 | 14,526 | 20,099 | 35,466 | 41,916 | 34,966 | 9,441 | 898 | 695 | 2,585 | 2,194 | 179,292 |
| Whitefish, ocean | 71 | 148 | 85 | 15 | 5 | 253 | 83 | | 735 | 1,539 | 804 | 2,101 | 5,839 |
| Yellowtail | 113,704 | 75,471 | 14,477 | 115,076 | 279,384 | 260,570 | 249,845 | 249,452 | 522,016 | 1,699,258 | 898,042 | 735,088 | 5,212,383 |
| Miscellaneous fish | 3,503 | 9,598 | 24,421 | 14,291 | 36,012 | 1,877 | 32,820 | 72,496 | 47,602 | 15,152 | 16,874 | 4,262 | 278,908 |
| Crustacean: | | | | | | | | | | | | | |
| Crab | 1,249,151 | 930,002 | 872,006 | 508,901 | 674,077 | 234,538 | 138,416 | | | | 1,789,374 | 1,881,792 | 8,278,257 |
| Crab, rock | 8,986 | 5,341 | 725 | 1,821 | 2,071 | 3,488 | 3,211 | 7,609 | 4,418 | 5,649 | 3,592 | 2,389 | 49,300 |
| Lobster, spiny | 106,424 | 107,855 | 53,339 | | | | | | | 183,182 | 134,235 | 165,017 | 750,052 |
| Prawn | 111 | 135 | 58 | 215 | 512 | 38 | 402 | 164 | 105 | 161 | 257 | 565 | 2,723 |
| Shrimp, bay | 36,967 | 28,373 | 72,837 | 61,254 | 53,258 | 61,267 | 74,220 | 93,197 | 141,804 | 46,678 | 33,845 | 28,608 | 732,308 |
| Shrimp, ocean | 85 | 91 | 225 | 23,842 | 44,107 | 50,479 | 65,843 | 78,346 | 24,392 | | | | 287,410 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 182,605 | | 211,959 | 501,723 | 451,333 | 586,650 | 437,001 | 461,388 | 512,031 | 472,893 | 348,986 | 553,781 | 4,720,350 |
| Clam, gaper | 60 | 460 | 540 | 548 | 236 | 100 | 160 | | | | 20 | | 2,124 |
| Clam, jackknife | 2,063 | 2,292 | 2,825 | 3,666 | 6,952 | 5,634 | 7,278 | 6,908 | 4,140 | 2,718 | 1,956 | 1,345 | 47,777 |
| Clam, Washington | 1,254 | 883 | 1,611 | 3,354 | 24 | 16 | 78 | 42 | 1,061 | 773 | 583 | 537 | 10,216 |
| Mussel | | 24 | 70 | | 85 | 71 | 271 | | 261 | | | | 782 |

TABLE 13—Continued

**Monthly Landings and Shipments Into California During 1953**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mollusk—Continued | | | | | | | | | | | | | |
| Octopus | 1,426 | 1,398 | 1,444 | 3,022 | 2,562 | 772 | 727 | 477 | 987 | 1,151 | 1,194 | 1,964 | 17,124 |
| Oyster, eastern | 13,231 | 14,157 | 13,307 | 11,113 | 10,025 | 8,235 | 8,426 | 6,624 | 4,494 | 11,905 | 10,752 | 17,464 | 129,733 |
| Oyster, Pacific | 17,923 | 18,133 | 26,199 | 20,885 | 6,458 | 4,552 | 9,864 | 9,656 | 11,016 | 12,997 | 10,587 | 13,250 | 161,520 |
| Snail, sea | | | | | | | | | | 171 | 73 | | 244 |
| Squid | 5,600 | 4,227,065 | 943,238 | 23 673 | 160,645 | 153,135 | 1,197,213 | 899,878 | 120,503 | 252,500 | 861,867 | 71,797 | 8,917,114 |
| Total pounds | 30,965,212 | 29,378,805 | 28,664,938 | 52,627,972 | 54,052,167 | 58,748,683 | 75,298,842 | 61,507,830 | 48,639,400 | 38,110,776 | 36,690,041 | 33,097,491 | 547,782,157 |
| Shipments:[1] | | | | | | | | | | | | | |
| Barracuda, California | | | | | | | | | | 4,852 | | | 4,852 |
| Cabrilla | | | | 5,644 | | | | | | | | | 5,644 |
| Carp | | 10,960 | 11,700 | 2,000 | | | | | | 7,050 | | | 31,710 |
| Catfish | | | | | | | | | | 155 | | | 155 |
| Corvina, shortfin | 310 | | | 2,700 | | | | | | | | | 3,010 |
| Croaker, white (Kingfish) | | | | | | 135 | | | | | | | 135 |
| Eel | | | | | | | | | | | | 1,544 | 1,544 |
| Grouper | | | | 180 | | | | | | | | | 180 |
| Halibut, California | | | | | | 145 | | | | | | | 145 |
| Halibut, Pacific | | | | | | | | 2,072 | | | | 2,220 | 4,292 |
| Herring, Pacific | | | | 160,773 | | | | | | | | 15,494 | 176,267 |
| Rockfish | | | | | | | 4,188 | | | | | | 4,188 |
| Sablefish | 32,479 | 40,219 | 14,597 | 1,000 | 40,008 | 10,438 | 81,587 | 31,252 | 29,221 | 56,329 | 39,512 | 82,467 | 459,109 |
| Salmon | 31,102 | 210,266 | 58,341 | 138,668 | 7,237 | 32,780 | 57,778 | 52,814 | 47,286 | 51,674 | 39,000 | 60,108 | 787,054 |
| Seabass, white | 1,410 | | | 8,741 | | 560 | 2,206 | 22,264 | | 600 | | | 35,781 |
| Shad | | | | | 884 | 4,242 | | | | | | | 5,126 |
| Tuna, albacore | 918,962 | 1,608,741 | 4,759,348 | 7,027,225 | 4,041,380 | 5,242,269 | 11,317,050 | 10,192,910 | 395,720 | 233,471 | 236,260 | 213,480 | 46,186,816 |
| Tuna, bigeye | | | | | | | | | | | 20,000 | | 20,000 |
| Tuna, bluefin | | | | | | | | | 60,371 | 2,076 | | | 62,447 |
| Tuna, skipjack | 789,962 | 1,495,083 | 530,516 | 450,425 | 332,836 | 1,222,069 | 1,286,381 | 845,335 | 278,348 | 770,858 | 251,016 | 94,907 | 8,347,736 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tuna, yellowfin | 121,641 | 272,142 | 156,451 | 366,834 | 544,257 | 1,031,078 | 1,069,326 | 645,135 | 414,556 | 2,320,672 | 805,953 | 710,561 | 8,458,606 |
| Miscellaneous fish | | | 112,792 | 2,753 | 5 | | 1,821 | 50,235 | 31,480 | | | | 199,086 |
| Crustacean: | | | | | | | | | | | | | |
| Prawn | | | | | | | | | | 2,600 | | | 2,600 |
| Mollusk: | | | | | | | | | | | | | |
| Clam[2] | 1,000 | | | | | | 464 | | | 1,360 | | | 2,824 |
| Clam, Pismo | 71,624 | 98,080 | 45,448 | 122,704 | 244,256 | 721,720 | 3,289,952 | 1,283,464 | 115,312 | 76,696 | 107,536 | 140,360 | 6,317,152 |
| Total pounds | 1,968,490 | 3,735,491 | 5,689,193 | 8,289,647 | 5,210,863 | 8,265,436 | 17,110,753 | 13,125,481 | 1,372,294 | 3,528,393 | 1,499,277 | 1,321,141 | 71,116,459 |
| Grand total fishing boat landings and shipments | 32,933,702 | 33,114,296 | 34,354,131 | 60,917,619 | 59,263,030 | 67,014,119 | 92,409,595 | 74,633,311 | 50,011,694 | 41,639,169 | 38,189,318 | 34,418,632 | 618,898,616 |

[1] For origin of shipments refer to Table 11.
[2] Cleaned weight, no conversion factor available.

## TABLE 14

### Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1953

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Carp | | | | | | 13,010 | | | | | | | 13,010 |
| Flounder | 181 | 1,427 | 16,308 | 48,533 | 29,119 | 15,201 | 28,322 | 58,361 | 12,477 | 2,139 | 417 | | 212,485 |
| Hake | | | | | | | | | | 46,122 | 4,762 | 20,812 | 71,696 |
| Halibut, Pacific | | | | | 4,834 | 35,721 | 2,557 | 1,872 | 615 | 70 | | | 45,669 |
| Lingcod | 1,128 | 5,065 | 19,500 | 36,674 | 65,308 | 89,091 | 83,412 | 109,790 | 105,452 | 51,940 | 7,859 | 9,019 | 584,238 |
| Mackerel, jack | | | | | | | | 90 | 552 | 245 | | | 887 |
| Perch | 934 | 2,979 | 11,561 | 17,471 | | | 9,511 | 13,412 | 5,944 | 1,198 | 337 | 1,650 | 64,997 |
| Rockfish | 48,289 | 87,012 | 327,128 | 358,410 | 203,192 | 289,273 | 320,092 | 448,968 | 390,607 | 265,764 | 84,104 | 121,287 | 2,944,126 |
| Sablefish | 27,957 | 7,204 | 15,540 | 22,592 | 27,372 | 64,929 | 110,911 | 159,769 | 77,893 | 177,962 | 49,153 | 51,160 | 792,442 |
| Salmon | | | | | 308,669 | 425,642 | 814,562 | 1,159,791 | 200,796 | | | | 2,909,460 |
| Sanddab | 271 | 2,484 | 12,839 | 16,299 | 15,439 | 13,342 | 12,918 | 17,442 | 5,307 | 4,104 | 1,066 | 1,063 | 102,574 |
| Shark | | | | | 185 | 670 | | 43 | 1,213 | 2,927 | 439 | 10,916 | 16,393 |
| Skate | | 8,245 | 16,082 | 45,360 | 64,003 | 33,186 | 21,367 | 50,151 | 32,522 | 23,934 | 9,676 | 11,868 | 316,394 |
| Smelt | | 46 | | 1,057 | 7,177 | 9,359 | 31,264 | 19,588 | 13,197 | 2,954 | | | 84,642 |
| Sole | 586,533 | 492,682 | 396,158 | 623,866 | 689,438 | 1,277,133 | 1,461,323 | 1,897,283 | 1,472,926 | 1,251,262 | 461,545 | 453,869 | 11,058,018 |
| Tuna, albacore | | | | | | | | 7,178 | 233,465 | 23,710 | 178 | | 264,531 |
| Turbot | 720 | 1,735 | 1,385 | 224 | 190 | 652 | | 70 | 352 | 1,973 | 433 | 11,535 | 19,269 |
| Whitebait | 742 | 3,121 | 5,524 | 7,747 | 19,812 | 27,675 | 26,714 | 5,564 | | | | | 96,899 |
| Miscellaneous fish | 215 | 6,169 | 17,511 | 10,098 | 35,041 | 872 | 21,270 | 64,809 | 21,586 | | 56 | | 177,627 |
| Crustacean: | | | | | | | | | | | | | |
| Crab | 829,279 | 617,326 | 794,000 | 458,482 | 604,060 | 166,394 | 10,705 | | | | | 622,518 | 4,102,764 |
| Shrimp, ocean | | | | | 2,352 | 15,123 | 1,019 | 8,770 | 220 | | | | 27,484 |
| Mollusk: | | | | | | | | | | | | | |
| Clam, Washington | 1,254 | 883 | 1,611 | 3,314 | | | | | 1,061 | 773 | 559 | 513 | 9,968 |
| Octopus | | | | 80 | 210 | 150 | 251 | 210 | | | 72 | | 973 |
| Total pounds | 1,497,503 | 1,236,378 | 1,629,147 | 1,650,207 | 2,076,401 | 2,477,423 | 2,956,198 | 4,023,161 | 2,576,185 | 1,857,077 | 620,656 | 1,316,210 | 23,916,546 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from waters north of the state boundary: | | | | | | | | | | | | | |
| Flounder | | | | 651 | | 233 | | 3,945 | | | | | 4,829 |
| Hake | | | | | | | | | 950 | 2,485 | | | 3,435 |
| Lingcod | | | 109 | 2,059 | 405 | 6,485 | 10,262 | 8,045 | 8,245 | 434 | 152 | 45 | 36,241 |
| Rockfish | | | | 7,186 | 620 | 29,411 | 22,703 | 31,910 | 31,550 | 12,456 | 878 | 54 | 136,768 |
| Sablefish | | | 17 | 1,839 | 1,237 | 3,769 | 2,761 | 6,940 | 11,040 | 10,402 | 5,247 | 3,115 | 46,367 |
| Salmon | | | | | | 34 | 13,379 | 26,837 | 106 | | | | 40,356 |
| Sanddab | | | | 175 | | 2,442 | 1,187 | 48 | | | | | 3,852 |
| Sole | | | 1,321 | 113,312 | 55,785 | 202,116 | 366,648 | 305,202 | 199,884 | 154,785 | 96,420 | 116,351 | 1,611,824 |
| Miscellaneous fish | | | | 2,500 | | | | 2,882 | 3,506 | 2,650 | | | 11,538 |
| Crustacean: | | | | | | | | | | | | | |
| Crab | | 1,428 | | 14 | | 1,950 | | | | | | | 3,392 |
| Shrimp, ocean | | | | | | | | 15,661 | | | | | 15,661 |
| Total pounds | | 1,428 | 1,447 | 127,736 | 58,047 | 246,440 | 416,940 | 401,470 | 255,281 | 183,212 | 102,697 | 119,565 | 1,914,263 |
| Grand totals Eureka region | 1,497,503 | 1,237,806 | 1,630,594 | 1,777,943 | 2,134,448 | 2,723,863 | 3,373,138 | 4,424,631 | 2,831,466 | 2,040,289 | 723,353 | 1,435,775 | 25,830,809 |

## TABLE 15

### Monthly Landings and Shipments of Commercial Fish Into the Sacramento Region During 1953

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters. | | | | | | | | | | | | | |
| Carp | 10,908 | 1,958 | 9,126 | 29,131 | 48,165 | 30,866 | 42,132 | 31,960 | 35,594 | 20,519 | 11,960 | 14,736 | 287,055 |
| Catfish | 5,686 | 1,122 | 5,448 | 16,058 | 346 | | | | 1,094 | | | | 29,754 |
| Hardhead | 12,229 | 7,757 | 4,548 | 3,099 | | | | | | 7,164 | 3,558 | 7,003 | 45,358 |
| Salmon | 104 | 164 | 1,560 | 5,451 | 7,725 | | | 39,050 | 804,860 | | 2,444 | 8,338 | 869,696 |
| Shad | | | 46,364 | 150,882 | 410,977 | | | | | | | | 608,223 |
| Splittail | 405 | 181 | 260 | 59 | 16 | | | | | | | | 921 |
| Miscellaneous fish | 30 | | 109 | | | | | | | | | | 139 |
| Total pounds | 29,362 | 11,182 | 67,415 | 204,680 | 467,229 | 30,866 | 42,132 | 71,010 | 841,548 | 27,683 | 17,962 | 30,077 | 1,841,146 |
| Shipments:[1] | | | | | | | | | | | | | |
| Catfish | | | | | | | | | | 155 | | | 155 |
| Total pounds | | | | | | | | | | 155 | | | 155 |
| Grand totals, Sacramento region | 29,362 | 11,182 | 67,415 | 204,680 | 467,229 | 30,866 | 42,132 | 71,010 | 841,548 | 27,838 | 17,962 | 30,077 | 1,841,301 |

[1] See Table 11 for origin of shipments.

## TABLE 16

### Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1953

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 413,300 | 1,921,700 | 25,603 | 23,255 | 56,310 | 220,452 | 46,230 | 68,720 | 194,162 | 102,792 | | | 3,072,524 |
| Cabezon | 1,365 | 135 | 430 | | 180 | 130 | 48 | 100 | 314 | 199 | | | 2,901 |
| Croaker, white (Kingfish) | 448 | 20 | 328 | 25 | 643 | 108 | 300 | 687 | 226 | 338 | | 56 | 3,179 |
| Flounder | 7,142 | 19,307 | 6,582 | 1,711 | 3,205 | 1,639 | 1,367 | 14,766 | 21,864 | 102,681 | 46,531 | 12,642 | 239,437 |
| Hake | | | | | | | | 10,370 | | | | | 10,370 |
| Halibut, California | 4,014 | 486 | 29 | 17 | 53 | 13 | 269 | 70 | 114 | 84 | 444 | 245 | 5,838 |
| Halibut, Pacific | 36,130 | 4,374 | 261 | 153 | 479 | 116 | 2,423 | 632 | 1,021 | 759 | 3,996 | 2,206 | 52,550 |
| Herring, Pacific | 2,939,221 | 1,657,354 | 171,403 | 600 | | 70 | 12,200 | | | | | 11,113 | 4,791,961 |
| Lingcod | 16,147 | 7,387 | 10,395 | 10,130 | 24,980 | 8,519 | 36,416 | 22,264 | 19,679 | 25,353 | 18,574 | 8,148 | 207,992 |
| Mackerel, jack | | | | | | | | 80 | 2,045 | 1,577 | | | 3,702 |
| Perch | 4,299 | 2,329 | 17,080 | 18,036 | | | 4,837 | 6,641 | 3,701 | 6,745 | 955 | 820 | 65,443 |
| Rockfish | 433,253 | 394,614 | 488,122 | 364,657 | 396,614 | 136,676 | 154,453 | 267,383 | 365,999 | 381,806 | 445,253 | 341,909 | 4,170,739 |
| Sablefish | 5,844 | 348 | 5,448 | 32,113 | 49,102 | 17,252 | 22,316 | 29,783 | 19,234 | 13,619 | 11,440 | 15,610 | 222,109 |
| Salmon | | | | | 521,363 | 357,511 | 1,161,045 | 1,054,889 | 219,739 | | | | 3,314,547 |
| Sanddab | 17,618 | 22,237 | 30,607 | 21,726 | 31,380 | 6,822 | 9,898 | 17,671 | 9,135 | 27,726 | 30,633 | 39,055 | 263,908 |
| Sculpin, staghorn | 200 | 175 | 120 | 495 | | | | | 95 | 760 | 910 | 365 | 3,120 |
| Seabass, white | 141 | | | | | | | | 78 | | | | 219 |
| Shark | 10,716 | 6,147 | 7,173 | 1,083 | 3,000 | 221 | 1,954 | 9,567 | 8,836 | 13,421 | 13,162 | 2,522 | 77,802 |
| Skate | 11,875 | 13,390 | 6,735 | 3,200 | 3,600 | 1,850 | 4,000 | 3,215 | 5,620 | 5,765 | 8,695 | 6,145 | 74,090 |
| Smelt | 4,733 | 22,402 | 44,504 | 31,298 | 20,146 | 12,565 | 30,433 | 21,549 | 27,013 | 21,290 | 9,505 | 3,395 | 248,833 |
| Sole | 291,760 | 296,983 | 222,269 | 216,881 | 266,717 | 95,817 | 111,119 | 272,446 | 296,722 | 348,294 | 275,949 | 472,961 | 3,167,918 |
| Swordfish | | | | | | | | | 409 | | | | 409 |
| Tomcod | | | | | | | | | 97 | | | 420 | 517 |
| Tuna, albacore | | | | | | | | 163,766 | 3,696,954 | 347,505 | 23,005 | | 4,231,230 |
| Turbot | 1,342 | 7,307 | 3,020 | 1,910 | 2,953 | 1,935 | 356 | 4,988 | 1,470 | 1,507 | 6,022 | 2,248 | 35,058 |
| Whitebait | 3,004 | 8,388 | 7,258 | 10,345 | 12,982 | 8,468 | 4,895 | 3,857 | 828 | 680 | 2,565 | 2,150 | 65,420 |
| Miscellaneous fish | 882 | | 12 | 85 | 200 | 285 | 113 | 4,765 | 22,055 | 9,611 | 6,487 | 4,262 | 48,757 |

TABLE 16—Continued

**Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1953**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crustacean: | | | | | | | | | | | | | |
| Crab | 416,550 | 302,741 | 68,585 | 38,520 | 65,010 | 64,643 | 126,705 | | | | 1,787,539 | 1,255,597 | 4,125,890 |
| Shrimp, bay | 36,967 | 28,373 | 72,837 | 61,254 | 53,258 | 61,267 | 74,220 | 93,197 | 141,804 | 46,678 | 33,845 | 28,608 | 732,308 |
| Shrimp, ocean | | | | 80 | | | 13,304 | 30,839 | 1,120 | | | | 45,343 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | | | | 6,100 | 1,250 | 3,525 | 1,300 | 2,875 | 1,050 | 4,600 | 3,500 | 3,125 | 27,325 |
| Clam, Washington | | | | 40 | 24 | 16 | 78 | 42 | | | 24 | 24 | 248 |
| Octopus | 893 | 476 | 443 | 270 | 340 | 327 | 98 | 35 | 425 | 355 | 447 | 96 | 4,205 |
| Oyster, eastern | 13,231 | 14,157 | 13,307 | 11,113 | 10,025 | 8,235 | 8,426 | 6,624 | 4,494 | 11,905 | 10,752 | 17,464 | 129,733 |
| Oyster, Pacific | 10,996 | 11,259 | 18,183 | 15,631 | 6,458 | 4,552 | 9,864 | 9,656 | 11,016 | 12,997 | 10,587 | 13,250 | 134,449 |
| Total pounds | 4,682,071 | 4,742,089 | 1,220,134 | 870,728 | 1,530,272 | 1,013,014 | 1,838,667 | 2,121,477 | 5,077,319 | 1,489,047 | 2,750,820 | 2,244,436 | 29,580,074 |
| Fishing boat landings from waters north of the state boundary: | | | | | | | | | | | | | |
| Tuna, albacore | | | | | | | | | 47,468 | | | | 47,468 |
| Total pounds | | | | | | | | | 47,468 | | | | 47,468 |
| Shipments:[1] | | | | | | | | | | | | | |
| Halibut, Pacific | | | | | | | | 2,072 | | | | 2,220 | 4,292 |
| Herring, Pacific | | | | | | | | | | | | 15,494 | 15,494 |
| Sablefish | 25,000 | 5,000 | | 1,000 | 3,819 | 4,813 | 24,317 | 30,988 | 29,221 | 30,074 | 27,592 | 32,350 | 214,174 |
| Salmon | 200 | 73,832 | 6,341 | 10,530 | 6,209 | | 2,008 | 15,057 | 2,000 | 50,243 | | | 166,420 |
| Shad | | | | | 884 | 4,242 | | | | | | | 5,126 |
| Tuna, albacore | | 237,750 | 291,413 | 290,630 | 383,989 | 548,017 | 915,175 | 529,650 | 192,939 | 124,310 | 102,940 | | 3,616,813 |
| Tuna, bigeye | | | | | | | | | | | 20,000 | | 20,000 |
| Tuna, skipjack | 568,027 | 234,457 | | | 51,775 | 149,810 | 89,814 | 49,033 | | | | | 1,142,916 |
| Tuna, yellowfin | 100,005 | | | | | | 42,910 | 94,056 | 16,736 | | | 120,180 | 373,887 |
| Miscellaneous fish | | | | | | | | 18,355 | | | | | 18,355 |
| Total pounds | 693,232 | 551,039 | 297,754 | 302,160 | 446,676 | 706,882 | 1,074,224 | 739,211 | 240,896 | 204,627 | 150,532 | 170,244 | 5,577,477 |
| Grand totals, San Francisco region | 5,375,303 | 5,293,128 | 1,517,888 | 1,172,888 | 1,976,948 | 1,719,896 | 2,912,891 | 2,860,688 | 5,365,683 | 1,693,674 | 2,901,352 | 2,414,680 | 35,265,019 |

[1] See Table 11 for origin of shipments.

## TABLE 17

### Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1953

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 5,376,428 | 6,231,897 | 747,608 | | 18,500 | | 1,300 | 55,000 | 670,520 | 587,540 | 400 | 5,800 | 13,694,993 |
| Cabezon | 1,775 | 816 | 1,293 | 917 | 140 | 65 | 563 | 540 | 103 | 273 | 22 | 1,090 | 7,597 |
| Carp | | 1,181 | 507 | 49 | | | | 1,200 | 2,100 | 3,350 | 12,700 | | 21,087 |
| Croaker, white (Kingfish) | 14,675 | 23,337 | 7,119 | 7,690 | 11,533 | 51,800 | 27,003 | 37,792 | 23,451 | 43,403 | 30,583 | 27,459 | 305,845 |
| Flounder | 780 | 1,088 | 273 | 1,036 | 929 | 1,015 | 5,775 | 2,720 | 1,246 | 10,988 | 6,415 | 7,935 | 40,200 |
| Hake | | | | | | | 5,050 | 13,375 | | | | | 18,425 |
| Halibut, California | 2,048 | 778 | 1,335 | 404 | 604 | 2,823 | 11,651 | 3,753 | 264 | 1,058 | 2,833 | 1,528 | 29,079 |
| Herring, Pacific | | | 34,050 | 333,840 | 1,370,060 | 726,430 | 53,400 | 142,475 | 2,000 | | 1,850 | 3,000 | 2,667,105 |
| Lingcod | 2,886 | 1,403 | 5,547 | 10,050 | 11,819 | 15,263 | 10,480 | 6,211 | 3,991 | 3,235 | 8,095 | 13,399 | 92,379 |
| Mackerel, jack | | | 25,740 | | 27,055 | 2,340 | 40,183 | 66,116 | 813,578 | 124,869 | 22,698 | 77,353 | 1,199,932 |
| Mackerel, Pacific | | | | | | | | | 750 | | | | 750 |
| Perch | 697 | 223 | 2,001 | 6,777 | | | 10,874 | 5,895 | 351 | 1,816 | 2,016 | 1,094 | 31,744 |
| Pompano, California | 1,217 | 3,159 | 754 | 158 | 168 | 144 | 123 | | 6 | 99 | 302 | 1,359 | 7,489 |
| Rockfish | 317,897 | 287,617 | 385,005 | 425,710 | 372,709 | 434,509 | 413,041 | 336,088 | 304,281 | 409,887 | 293,183 | 327,724 | 4,307,651 |
| Sablefish | 18,462 | 64,922 | 63,034 | 77,610 | 52,816 | 65,968 | 70,219 | 20,523 | 30,090 | 30,646 | 28,292 | 65,600 | 588,182 |
| Salmon | | | | | 538,209 | 158,263 | 42,949 | 50,812 | 737 | | | | 790,970 |
| Sanddab | 2,015 | 11,210 | 21,959 | 21,231 | 24,361 | 43,934 | 55,731 | 35,259 | 25,688 | 26,218 | 7,529 | 8,536 | 283,671 |
| Sardine | | | | | 730 | | | 280 | 300 | 100 | | 13 | 1,423 |
| Seabass, white | 211 | 820 | 1,017 | 546 | 80 | | 32 | 2,160 | 9,729 | 103 | 79 | 56 | 14,833 |
| Seatrout, greenling | 14 | | | | | | | 25 | | | | 100 | 139 |
| Shark | 7,620 | 72 | 749 | 595 | 32 | 601 | 4,636 | 7,489 | 382 | 2,178 | 1,116 | 209 | 25,679 |
| Skate | 552 | 91 | 1,076 | 2,039 | 2,685 | 4,525 | 700 | | 1,275 | 870 | | 365 | 14,178 |
| Smelt | 852 | 3,161 | 2,621 | 3,055 | 2,472 | 620 | 52,536 | 9,446 | 32,315 | 20,369 | 33,464 | 17,781 | 178,632 |
| Sole | 23,442 | 33,956 | 56,690 | 125,502 | 128,515 | 177,894 | 143,197 | 121,410 | 110,593 | 121,987 | 84,937 | 71,511 | 1,199,634 |
| Swordfish | | | | | | | | | 476 | | | | 476 |
| Tuna, albacore | | | | | | | | 29,898 | 2,127,520 | 250,085 | 1,345 | | 2,408,848 |
| Tuna, skipjack | | | | | | | | | 1,284 | | | | 1,284 |
| Turbot | | | | 60 | | | | 335 | | | 85 | 77 | 557 |
| Whitebait | 200 | 1,051 | 1,744 | 2,007 | 2,389 | 5,773 | 3,272 | 20 | 10 | 15 | 20 | 44 | 16,545 |
| Miscellaneous fish | | 12 | | | | | 3,485 | | | 1,305 | 685 | | 5,487 |

TABLE 17—Continued

**Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1953**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pound |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crustacean: | | | | | | | | | | | | | |
| Crab | 2,282 | 4,107 | 2,029 | 1,864 | 115 | 156 | 6 | | | | 1,462 | 1,576 | 13,597 |
| Prawn | 111 | 135 | 58 | 215 | 280 | | 75 | 100 | 93 | 161 | 257 | 565 | 2,050 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | | | | | | | | | 4,225 | 9,650 | 1,750 | 10,600 | 26,225 |
| Clam, gaper | 60 | 460 | 540 | 548 | 236 | 100 | 160 | | | | 20 | | 2,124 |
| Octopus | 266 | 706 | 741 | 1,828 | 1,399 | 99 | 378 | 232 | 562 | 778 | 653 | 1,837 | 9,479 |
| Squid | | | 2,910 | 23,603 | 160,645 | 134,515 | 1,178,205 | 899,200 | 77,490 | 230,965 | 811,001 | 8,295 | 3,526,829 |
| Total pounds | 5,774,490 | 6,672,202 | 1,366,400 | 1,047,334 | 2,728,481 | 1,826,837 | 2,135,024 | 1,848,354 | 4,245,410 | 1,881,948 | 1,353,732 | 654,906 | 31,535,118 |
| Shipments:[1] | | | | | | | | | | | | | |
| Tuna, albacore | | | | 94,307 | 96,271 | | | | | | | | 190,578 |
| Tuna, skipjack | | 116,329 | | 200,384 | 120,017 | 129,877 | 139,023 | 347,081 | | | 175,425 | | 1,228,136 |
| Tuna, yellowfin | | | | 237,172 | 107,611 | | 85,432 | 85,264 | | | 130,671 | | 646,150 |
| Total pounds | | 116,329 | | 531,863 | 323,899 | 129,877 | 224,455 | 432,345 | | | 306,096 | | 2,064,864 |
| Grand totals, Monterey region | 5,774,490 | 6,788,531 | 1,366,400 | 1,579,197 | 3,052,380 | 1,956,714 | 2,359,479 | 2,280,699 | 4,245,410 | 1,881,948 | 1,659,828 | 654,906 | 33,599,982 |

[1] See Table 11 for origin of shipments.

## TABLE 18

### Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 401,188 | 1,491,779 | 1,491,037 | 2,340,128 | 6,233,802 | 6,653,361 | 1,849,124 | 2,057,141 | 4,858,732 | 2,299,927 | 3,506,016 | 1,552,975 | 34,735,210 |
| Barracuda, California | 405 | 126,098 | 23,954 | | | | | | | | | | 150,457 |
| Cabezon | 1,019 | 796 | 544 | 373 | | | | | | | 25 | 51 | 2,808 |
| Croaker, white (Kingfish) | 543 | 153 | 1,025 | 6,207 | 17,217 | | 3,320 | 1,250 | 2,150 | | 160 | | 32,025 |
| Flounder | 303 | 364 | 212 | 1,292 | | | | | | | 615 | 2,700 | 5,486 |
| Halibut, California | 19,979 | 18,143 | 11,765 | 12,768 | 9,875 | 8,188 | 7,222 | 8,899 | 13,671 | 14,710 | 12,467 | 19,088 | 156,775 |
| Herring, Pacific | | | | 1,475 | 120,970 | 174,600 | 27,820 | 17,760 | | | | | 342,625 |
| Lingcod | 1,865 | 1,498 | 3,376 | 5,855 | 3,126 | 7 | 500 | 138 | 890 | 353 | 1,592 | 969 | 20,169 |
| Mackerel, jack | 351,860 | 68,100 | 1,975,380 | 245,228 | 8,000 | 127,300 | 2,778,087 | 842,330 | 1,637,440 | 159,485 | 418,600 | 7,545 | 8,619,355 |
| Mackerel, Pacific | | | | | | | | | 4,720 | 68,158 | 21,900 | | 94,778 |
| Perch | 2,314 | 1,858 | 925 | 1,472 | | | 208 | 1,052 | 2,006 | 14 | 297 | 1,798 | 11,944 |
| Pompano, California | | | | 111 | | | | | | | | | 111 |
| Rock bass | 185 | 44 | 181 | 2,184 | 244 | | 459 | 71 | | | | | 3,368 |
| Rockfish | 16,091 | 28,567 | 30,397 | 29,459 | 27,467 | 6,634 | 3,259 | 5,601 | 7,441 | 12,868 | 15,830 | 11,839 | 195,453 |
| Sablefish | | | | 88 | 167 | | 222 | | | | | 1,193 | 1,670 |
| Salmon | | | | | 1,159 | 1,197 | 71,432 | 1,799 | 1,308 | | | | 76,895 |
| Sanddab | 132 | 1,791 | 8,015 | 1,047 | 98 | 59 | 158 | 185 | 105 | 52 | 1,136 | 482 | 13,260 |
| Sardine | 123,905 | 70 | | 14 | | 110 | 107,942 | 60,900 | 131,052 | 301,885 | 246,470 | | 972,348 |
| Sea bass, black | | | | | | 145 | 608 | 470 | | 52 | | | 1,275 |
| Seabass, white | 1,815 | 694 | 880 | 2,174 | 858 | 2,474 | 12,783 | 11,711 | 4,942 | 19,957 | 220 | 42 | 58,550 |
| Shark | 7,046 | 5,040 | 4,743 | 6,700 | 13,635 | 17,332 | 12,656 | 20,419 | 2,653 | 3,061 | 3,275 | 3,773 | 100,333 |
| Sheep-head | 2,174 | 935 | 339 | 37 | 47 | 40 | 28 | 26 | 64 | 208 | 400 | 5,080 | 9,378 |
| Skate | 103 | 428 | 421 | 303 | 1,001 | 719 | | | | | | 4,794 | 7,769 |
| Smelt | 1,050 | 550 | 400 | 1,235 | 480 | 1,200 | 2,084 | 160 | 4,575 | 5 | | 1,350 | 13,089 |
| Sole | 13,902 | 33,362 | 114,919 | 108,053 | 56,947 | 41,285 | 25,781 | 18,495 | 12,255 | 10,297 | 23,147 | 29,818 | 488,261 |
| Swordfish | | | | | | | 1,333 | 2,429 | 681 | 974 | 515 | | 5,932 |
| Tuna, albacore | | | | | | | 486 | 23,009 | 772,615 | 269,418 | 14,913 | | 1,080,441 |
| Tuna, bluefin | | | | | | | 54,335 | 58,308 | | | | | 112,643 |
| Turbot | 2,497 | 2,539 | 2,821 | 1,515 | 694 | 594 | | | | | 688 | 2,707 | 14,055 |
| Whitebait | | | | | 283 | | 85 | | 60 | | | | 428 |
| Miscellaneous fish | 846 | 1,123 | 734 | 430 | 32 | 69 | 6 | 10 | | 36 | | | 3,286 |

TABLE 18—Continued

**Monthly Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crustacean: | | | | | | | | | | | | | |
| Crab | 1,040 | 4,400 | 7,392 | 10,021 | 4,892 | 1,395 | 1,000 | | | | 373 | 2,101 | 32,614 |
| Crab, rock | 4,654 | 2,796 | 340 | | | | | | | 315 | | | 8,105 |
| Lobster, spiny | 52,169 | 49,171 | 28,235 | | | | | | | 32,722 | 40,539 | 53,423 | 256,259 |
| Prawn | | | | | 232 | 38 | 327 | 64 | 12 | | | | 673 |
| Shrimp, ocean | | | | 23,746 | 41,755 | 35,356 | 51,520 | 23,076 | 23,052 | | | | 198,505 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 24,404 | | 50,676 | 181,224 | 147,803 | 139,000 | 174,050 | 221,690 | 234,416 | 118,525 | 139,169 | 199,924 | 1,630,881 |
| Octopus | 179 | 142 | 20 | 786 | 555 | 196 | | | | | | | 1,878 |
| Oyster, Pacific | 6,927 | 6,874 | 8,016 | 5,254 | | | | | | | | | 27,071 |
| Squid | | | | | | | 1,518 | | | | 8,515 | | 10,033 |
| Total pounds | 1,038,595 | 1,847,315 | 3,766,747 | 2,989,179 | 6,691,339 | 7,211,299 | 5,188,353 | 3,376,993 | 7,714,840 | 3,313,022 | 4,456,862 | 1,901,652 | 49,496,196 |
| Fishing boat landings from waters south of the international boundary: | | | | | | | | | | | | | |
| Swordfish | | | | | | | | 1,234 | | | | | 1,234 |
| Total pounds | | | | | | | | 1,234 | | | | | 1,234 |
| Grand totals, Santa Barbara region | 1,038,595 | 1,847,315 | 3,766,747 | 2,989,179 | 6,691,339 | 7,211,299 | 5,188,353 | 3,378,227 | 7,714,840 | 3,313,022 | 4,456,862 | 1,901,652 | 49,497,430 |

## TABLE 19

### Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1953

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 36,615 | 171,931 | 2,706,078 | 5,060,401 | 9,202,445 | 8,888,978 | 2,101,349 | 1,455,860 | 686,715 | 595,760 | 1,730,087 | 1,693,625 | 34,329,844 |
| Barracuda, California | 4 | 32 | 14 | 21,202 | 151,256 | 74,973 | 2,761 | 772 | 5 | 749 | 81 | | 251,849 |
| Bonito | | | | | | 2 | 13 | 1,287 | | | | 1,951 | 3,253 |
| Carp | 1,400 | 24,105 | 3,000 | | 7,500 | | 1,500 | | | | 4,995 | | 42,500 |
| Croaker, white (Kingfish) | 104,403 | 69,197 | 70,007 | 120,417 | 122,107 | 241,734 | 24,668 | 10,079 | 14,262 | 14,325 | 13,957 | 23,243 | 828,399 |
| Flyingfish | | | | 140 | 22,961 | 19,465 | 9,694 | 18,883 | 1,688 | | | | 72,831 |
| Halibut, California | 3,721 | 7,221 | 7,678 | 18,483 | 13,919 | 11,934 | 12,971 | 10,850 | 6,697 | 9,694 | 7,653 | 7,214 | 118,035 |
| Lingcod | 211 | | 3,192 | 2,852 | | 155 | | 6 | | 315 | 66 | 13 | 6,810 |
| Mackerel, jack | 1,050,816 | 175,179 | 2,073,328 | 15,123,492 | 4,861,540 | 10,157,818 | 8,820,686 | 188,992 | 842,102 | 1,717,151 | 898,257 | 720 | 45,910,081 |
| Mackerel, Pacific | 106,388 | 63,592 | 425 | 14,261 | 7,653 | 17,042 | 126,253 | 181,970 | 375,349 | 2,151,046 | 3,140,009 | 8,089 | 6,192,077 |
| Perch | 7,153 | 2,986 | 11,451 | 36,176 | 18,668 | 4,027 | 4,096 | 5,236 | 9,106 | 8,434 | 8,253 | 5,544 | 121,130 |
| Pompano, California | 50 | 538 | 132 | 275 | 197 | 281 | 353 | 328 | 295 | 1,183 | 159 | | 3,791 |
| Rock bass | 46 | 2 | 19 | 309 | 20 | 3,776 | 7,236 | 3,088 | 514 | 330 | | | 15,340 |
| Rockfish | 30,730 | 51,689 | 58,303 | 48,751 | 26,820 | 19,791 | 4,826 | 10,153 | 31,134 | 37,940 | 36,047 | 39,408 | 395,592 |
| Sablefish | 140 | 214 | 457 | 85 | 92 | 22 | | 397 | 256 | 2,188 | 258 | 544 | 4,653 |
| Salmon | | | | | 1,902 | 434 | 22 | 19 | 341 | | | | 2,718 |
| Sanddab | 318 | 757 | 2,510 | 2,620 | 3,081 | 1,410 | | 622 | 3,192 | 3,778 | 2,329 | 1,327 | 21,944 |
| Sardine | 792,112 | 275,333 | 182,283 | 146,676 | 40,633 | 272,416 | 316,305 | 286,971 | 1,023,156 | 3,114,129 | 1,228,674 | 170,372 | 7,849,060 |
| Sculpin | 1,634 | 726 | 1,682 | 2,390 | 4,774 | 14,722 | 19,647 | 18,426 | 7,068 | 1,943 | 1,070 | 1,150 | 75,232 |
| Sea bass, black | 171 | 91 | 44 | 272 | 70 | 688 | 1,013 | 953 | 336 | 99 | 26 | | 3,763 |
| Seabass, white | 15,335 | 6,360 | 8,263 | 20,269 | 47,025 | 89,634 | 54,909 | 48,028 | 2,966 | 157 | | 51 | 292,997 |
| Shark | 6,880 | 1,912 | 3,025 | 7,644 | 15,170 | 13,085 | 5,446 | 4,764 | 12,225 | 1,985 | 1,769 | 4,188 | 78,093 |
| Sheep-head | 293 | 4,068 | 106 | 210 | 166 | 127 | 284 | 224 | 252 | 1,322 | 345 | 563 | 7,960 |
| Skate | 117 | 34 | 27 | 66 | 99 | 264 | | 75 | 579 | 682 | 268 | 900 | 3,111 |
| Smelt | 20,967 | 44,147 | 14,967 | 3,077 | 2,700 | 4,300 | 2,795 | 3,056 | 5,020 | 6,532 | 7,209 | 24,600 | 139,370 |
| Sole | 65 | 8 | 50 | 101 | 145 | 261 | 13 | 115 | 68 | | | 245 | 1,071 |
| Swordfish | | | | | | 660 | 22,590 | 14,890 | 30,807 | 10,463 | 291 | | 79,701 |
| Tuna, albacore | | | | | | 6,106 | 1,295,868 | 1,249,834 | 1,440,132 | 438,115 | 43,995 | | 4,474,050 |
| Tuna, bluefin | | | | | | | 854,383 | 1,682,268 | 453,435 | 498,198 | 10,359 | 10,717 | 3,509,360 |
| Tuna, yellowfin | | | | | 102 | | | | | | | | 102 |

TABLE 19—Continued

**Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1953**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Turbot | 4 | | | | | | | | | | | 215 | 219 |
| Whitefish, ocean | 6 | 15 | 85 | 15 | 5 | | 83 | | | 46 | | | 255 |
| Yellowtail | | | | 1,311 | 2,623 | 3,288 | 944 | 175 | 78 | | | | 8,419 |
| Miscellaneous fish | 1,349 | 2,220 | 5,992 | 1,135 | 649 | 544 | 7,946 | 30 | 39 | 1,550 | 9,646 | | 31,100 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, rock | 1,766 | 1,477 | 369 | 1,821 | 2,071 | 3,488 | 3,211 | 7,609 | 4,418 | 3,582 | 1,380 | 191 | 31,383 |
| Lobster, spiny | 48,271 | 53,725 | 19,643 | | | | | | | 84,286 | 62,354 | 86,301 | 354,580 |
| Shrimp, ocean | 85 | 91 | 225 | 16 | | | | | | | | | 417 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 157,956 | | 158,000 | 306,904 | 292,844 | 440,380 | 255,458 | 226,853 | 236,360 | 319,519 | 185,948 | 319,248 | 2 899,470 |
| Octopus | 88 | 74 | 240 | 58 | 58 | | | | | 18 | 22 | 31 | 589 |
| Snail, sea | | | | | | | | | | 171 | 73 | | 244 |
| Squid | 5,600 | 4,227,065 | 929,385 | 70 | | 18,620 | 17,340 | 628 | 42,963 | 21,535 | 40,760 | 61,031 | 5,364,997 |
| Total pounds | 2,394,694 | 5,184,789 | 6,260,980 | 20,941,499 | 14,849,295 | 20,310,425 | 13,974,663 | 5,433,441 | 5,231,558 | 9,047,225 | 7,436,340 | 2,461,481 | 113,526,390 |
| Fishing boat landings from waters north of the state boundary: | | | | | | | | | | | | | |
| Salmon | | | | | | 83 | | | | | | | 83 |
| Total pounds | | | | | | 83 | | | | | | | 83 |
| Fishing boat landings from waters south of the international boundary: | | | | | | | | | | | | | |
| Barracuda, California | 32,243 | 157,833 | 147,333 | 117,849 | 40,810 | 768 | 85,373 | 18,275 | 58,290 | 59,608 | 79 | 15,700 | 734,161 |
| Bonito | 1,975 | 1,883 | 664 | | | 420 | 157,993 | 21,270 | 68,265 | 1,713,285 | 168,651 | 215,426 | 2,349,832 |
| Cabrilla | 68,309 | 99,662 | 53,077 | 69,175 | | 42,265 | 28,264 | | | 23,207 | 13,190 | 8,796 | 405,945 |
| Corvina, shortfin | | | | | | | | | | | 180 | | 180 |
| Grouper | 80,532 | 88,773 | 50,530 | 26,156 | 60 | 10,293 | 5,036 | 20,097 | 1,377 | 6,522 | 90,910 | 95,925 | 476,211 |
| Halibut, California | 1,942 | 6,457 | | | | | 335 | | | | | 1,815 | 10,549 |
| Lingcod | | | | | | | | | | | 540 | | 540 |
| Perch | | | | | | | | | | | | 530 | 530 |
| Rock bass | | 7,517 | 370 | | | 276 | | | | | | | 8,163 |
| Rockfish | 7,383 | 23,203 | 890 | | | | | | | | 675 | 1,196 | 33,347 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sea bass, black | 12,157 | 29,064 | 5,474 | 5,326 | 17,128 | 14,245 | 1,711 | 7,731 | 10,579 | 41,620 | 84,601 | 103,793 | 333,429 |
| Seabass, white | 6,449 | 644 | 25 | 480 | | | 25,730 | 62,662 | 20,530 | 34,145 | 39,460 | 19,221 | 209,346 |
| Shark | 1,711 | 255 | 40 | | | | | | | | 781 | 3,333 | 6,120 |
| Sheep-head | 50 | | | | | | | | | | | 260 | 310 |
| Sierra | | | 331 | | | | | | | | | | 331 |
| Swordfish | | | | | | | 253 | 6,059 | 5,121 | | | | 11,433 |
| Tuna, albacore | | | | | | 5,849 | 1,730,027 | 2,419,449 | 680,501 | 64,142 | 3,030 | | 4,902,998 |
| Tuna, black skipjack | | | | | 4,215 | | | | | | | | 4,215 |
| Tuna, bluefin | | | 18,800 | | | | 708,405 | 2,143,603 | 1,395,424 | 331,090 | 1,000 | 77,971 | 4,676,293 |
| Tuna, skipjack | 6,888,887 | 3,382,033 | 3,515,282 | 3,648,324 | 4,051,964 | 4,000,743 | 14,083,819 | 10,170,507 | 3,760,068 | 4,341,681 | 4,813,414 | 6,535,888 | 69,192,610 |
| Tuna, yellowfin | 3,767,075 | 2,803,682 | 5,598,757 | 14,993,336 | 13,694,597 | 11,704,010 | 15,091,637 | 8,695,487 | 4,242,626 | 2,213,681 | 2,518,343 | 3,879,749 | 89,202,980 |
| Wahoo | | | | 19,714 | | 1,500 | 3,660 | | | | | | 24,874 |
| Whitefish, ocean | | | | | | | | | | | | 730 | 730 |
| Yellowtail | 8,127 | 19,385 | 3,247 | 24,572 | 36,293 | 81,795 | 117,835 | 225,711 | 187,991 | 1,175,112 | 312,635 | 371,304 | 2,564,007 |
| Miscellaneous fish | | | 59 | | | | | | | | | | 59 |
| Crustacean: | | | | | | | | | | | | | |
| Lobster, spiny | | | | | | | | | | | | 807 | 807 |
| Total pounds | 10,876,840 | 6,620,391 | 9,394,879 | 18,904,932 | 17,845,067 | 15,862,164 | 32,040,078 | 23,790,851 | 10,430,772 | 10,004,093 | 8,047,489 | 11,332,444 | 175,150,000 |
| Shipments:[1] | | | | | | | | | | | | | |
| Carp | | 10,960 | 11,700 | 2,000 | | | | | | 7,050 | | | 31,710 |
| Eel | | | | | | | | | | | | 1,544 | 1,544 |
| Herring, Pacific | | | | 160,773 | | | | | | | | | 160,773 |
| Sablefish | 7,479 | 35,219 | 14,597 | | 36,189 | 5,625 | 57,270 | 264 | | 26,255 | 11,920 | 50,117 | 244,935 |
| Salmon | 30,902 | 136,434 | 52,000 | 128,138 | 1,028 | 32,780 | 55,770 | 37,757 | 45,286 | 1,431 | 39,000 | 60,108 | 620,634 |
| Tuna, albacore | 918,962 | 1,222,081 | 3,075,583 | 4,486,915 | 2,861,133 | 4,371,484 | 8,335,586 | 7,944,700 | 202,781 | 109,161 | 133,320 | 213,480 | 33,875,186 |
| Tuna, bluefin | | | | | | | | | 60,371 | 2,076 | | | 62,447 |
| Tuna, skipjack | 221,935 | | 530,516 | 34,804 | 161,044 | 942,382 | 379,690 | 411,453 | 278,348 | 113,056 | 27,190 | 94,907 | 3,195,325 |
| Tuna, yellowfin | 21,636 | | 156,451 | 126,311 | 436,646 | 1,031,078 | 686,115 | 465,815 | 397,820 | 2,173,248 | 675,282 | 590,381 | 6,760,783 |
| Miscellaneous fish | | | 112,792 | 2,753 | 5 | | 1,821 | 31,880 | 31,480 | | | | 180,731 |
| Mollusk: | | | | | | | | | | | | | |
| Clam[2] | 1,000 | | | | | | 464 | | | 1,360 | | | 2,824 |
| Clam, Pismo | 71,624 | 98,080 | 45,448 | 122,704 | 244,256 | 721,720 | 3,289,952 | 1,283,464 | 115,312 | 76,696 | 107,536 | 140,360 | 6,317,152 |
| Total pounds | 1,273,538 | 1,502,774 | 3,999,087 | 5,064,398 | 3,740,301 | 7,105,069 | 12,806,668 | 10,175,333 | 1,131,398 | 2,510,333 | 994,248 | 1,150,897 | 51,454,044 |
| Grand totals, Los Angeles region | 14,545,072 | 13,307,954 | 19,654,946 | 44,910,829 | 36,434,663 | 43,277,741 | 58,821,409 | 39,399,625 | 16,793,728 | 21,561,651 | 16,478,077 | 14,944,822 | 340,130,517 |

[1] See Table 11 for origin of shipments.
[2] Cleaned weight, no conversion factor available.

## TABLE 20

### Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1953

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | | | | | | | | | | | | 2,907 | 2,907 |
| Barracuda, California | | | 68 | 7,396 | 66,884 | 86,923 | 1,779 | 271 | 254 | | | 61 | 163,636 |
| Bonito | | | | | | | 10 | | 53 | | 5,468 | 10,285 | 15,816 |
| Carp | | | 28,035 | | | | | | | | | | 28,035 |
| Croaker, white (Kingfish) | | 271 | 65 | 139 | 93 | 1,177 | 662 | 6,212 | 11,430 | 5,751 | 3,911 | 1,901 | 31,612 |
| Halibut, California | 842 | 4,634 | 9,794 | 4,603 | 3,208 | 2,170 | 190 | 191 | 100 | 22,303 | 17,485 | 12,492 | 78,012 |
| Herring, Pacific | 237 | | | | | | | | | | | | 237 |
| Lingcod | 612 | 414 | 20 | | 13 | | | | | | | 50 | 1,109 |
| Mackerel, jack | | | | 2,032 | 1,102 | 2,669 | | | | | 10,583 | | 16,386 |
| Mackerel, Pacific | | | | | | 7,755 | 4,414 | 1,588 | 478 | 247,924 | 669,003 | 283,414 | 1,214,576 |
| Perch | 13 | | | | 7 | 74 | 459 | 104 | | | | | 657 |
| Rock bass | 75 | 923 | 2,564 | 123 | 67 | 137 | 467 | 158 | 197 | | | | 4,711 |
| Rockfish | 1,980 | 5,258 | 7,459 | 4,244 | 2,245 | 2,231 | 260 | 582 | 1,316 | 1,763 | 2,105 | 2,979 | 32,422 |
| Salmon | | | | | | 1,386 | | | | | | | 1,386 |
| Sanddab | | | | | | | | 15 | 557 | 632 | | 30 | 1,234 |
| Sardine | | | | | | | | | | 553,851 | 26,907 | 26,227 | 606,985 |
| Sculpin | 546 | 2,228 | 9,706 | 6,358 | 2,033 | 4,323 | 8,622 | 6,108 | 2,046 | 260 | | 1,956 | 44,186 |
| Sea bass, black | | 70 | | | | 240 | | 1,993 | 395 | | 87 | | 2,785 |
| Seabass, white | 210 | 2,020 | 2,203 | 14,417 | 8,782 | 21,962 | 18,030 | 18,995 | 85 | 655 | 1,887 | 15,361 | 104,607 |
| Shark | 12,263 | 4,396 | 2,988 | 7,184 | 17,606 | 28,989 | 11,086 | 3,081 | 7,012 | 13,981 | 10,578 | 15,603 | 134,767 |
| Sheep-head | 1,155 | 1,351 | 3,975 | 12 | | | | | 150 | 592 | 1,437 | 6,100 | 14,772 |
| Skate | | | 50 | 77 | | | | | | | | | 127 |
| Smelt | 1,284 | 1,039 | 1,194 | 227 | 75 | 68 | 20 | | | | | 1,643 | 5,550 |
| Swordfish | | | | | | | 405 | 2,294 | 11,338 | 7,024 | | | 21,061 |
| Tuna, albacore | | | | | | 9,757 | 389,879 | 290,908 | 81,933 | 65,830 | 220 | | 838,527 |
| Tuna, bluefin | | | | | | 57 | 153,466 | 128,116 | | | | | 281,639 |
| Whitefish, ocean | | | | | | | | | | | | 657 | 657 |
| Yellowtail | | | | 1,448 | 2,568 | 1,106 | 255 | 583 | | | | | 5,960 |
| Miscellaneous fish | 36 | | 4 | 43 | 90 | 107 | | | 6 | | | | 286 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crustacean: | | | | | | | | | | | | | |
| Crab, rock | 2,566 | 1,068 | 16 | | | | | | | 1,752 | 2,212 | 2,198 | 9,812 |
| Lobster, spiny | 5,984 | 4,959 | 5,461 | | | | | | | 66,174 | 31,342 | 24,486 | 138,406 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 245 | | 3,283 | 7,495 | 9,436 | 3,745 | 6,193 | 9,970 | 35,980 | 20,599 | 18,619 | 20,884 | 136,449 |
| Clam, jackknife | 2,063 | 2,292 | 2,825 | 3,666 | 6,952 | 5,634 | 7,278 | 6,908 | 4,140 | 2,718 | 1,956 | 1,345 | 47,777 |
| Mussel | | 24 | 70 | | 85 | 71 | 271 | | 261 | | | | 782 |
| Squid | | | 10,943 | | | | 150 | 50 | 50 | | 1,591 | 2,471 | 15,255 |
| Total pounds | 30,111 | 30,947 | 90,723 | 59,464 | 121,246 | 180,581 | 603,896 | 478,127 | 157,781 | 1,011,809 | 805,391 | 433,050 | 4,003,126 |
| Fishing boat landings from waters south of the international boundary : | | | | | | | | | | | | | |
| Barracuda, California | 9,037 | 73,146 | 30,013 | 8,290 | | | 482 | 170 | | 561 | 14,285 | 2,759 | 138,743 |
| Bonito | | 1,125 | 237 | | | | 2,687 | | 18,700 | 162,687 | 289,124 | 259,186 | 733,746 |
| Cabrilla | 1,716 | | | | | | | | | | | | 1,716 |
| Grouper | 3,267 | | | | | | | | | | | | 3,267 |
| Halibut, California | 1,748 | 85 | 3,489 | 80 | | 57 | 11,268 | 50,149 | 30,334 | 13,716 | 20,846 | 255 | 132,027 |
| Lingcod | | | | | | | | | | | | 498 | 498 |
| Mackerel, jack | | | | 512 | | | | | | | | | 512 |
| Perch | | | 145 | | | | | | | | | | 145 |
| Rock bass | | 192 | 457 | | | 100 | 834 | 552 | | | 398 | | 2,533 |
| Rockfish | | 270 | 85 | | | 465 | | | | | 490 | 477 | 1,787 |
| Sardine | | | | | | | | | | 39,056 | | | 39,056 |
| Sculpin | | 120 | | | | | | | | | | | 120 |
| Sea bass, black | 1,008 | 4,775 | 180 | 3,010 | 130 | 21,627 | 6,537 | 4,931 | 753 | 14,372 | 8,709 | 4,695 | 70,727 |
| Seabass, white | 53 | | 16,536 | 345 | 8,428 | | 21,219 | 28,540 | 56,610 | 43,224 | 9,159 | 8,627 | 192,741 |
| Shark | 98 | | 140 | | | 1,633 | 1,310 | 1,550 | 259 | 4,204 | 1,066 | 310 | 10,570 |
| Sheep-head | | 45 | | 113 | | | 843 | | 553 | | 786 | 666 | 3,006 |
| Sierra | | 140 | | | | | | | | | | 435 | 575 |
| Swordfish | | | | | | | 275 | 6,260 | 13,770 | 2,280 | | | 22,585 |
| Tuna, albacore | | | | | | 75,546 | 5,755,554 | 7,238,042 | 2,034,516 | 481,910 | 2,244 | | 15,587,812 |
| Tuna, bluefin | | | | | | | 461,920 | 542,953 | 94,824 | 83,635 | | 9,348 | 1,192,680 |
| Tuna, skipjack | 2,256,408 | 1,998,057 | 1 543,040 | 642,404 | 1,580,671 | 3,393,470 | 5,873,729 | 7,756,964 | 6,980,094 | 5,449,581 | 6,782,387 | 8,855,461 | 53,112,266 |
| Tuna, yellowfin | 2,262,424 | 897,836 | 3,261,514 | 5,089,714 | 5,857,661 | 5,922,019 | 3,835,422 | 4,308,618 | 2,495,733 | 2,474,795 | 3,382,387 | 3,095,141 | 42,883,264 |
| Wahoo | | | | | | | | | | | | 1,314 | 1,314 |
| Whitefish, ocean | 65 | 133 | | | | 253 | | | 735 | 1,493 | 804 | 714 | 4,197 |
| Yellowtail | 105,577 | 56,086 | 11,230 | 87,745 | 237,900 | 174,381 | 130,811 | 22,983 | 333,947 | 524,146 | 585,407 | 363,784 | 2,633,997 |
| Miscellaneous fish | 145 | 74 | | | | | | | 410 | | | | 629 |
| Total pounds | 4,641,546 | 3,032,084 | 4,867,066 | 5,832,213 | 7,684,790 | 9,589,551 | 16,102,891 | 19,961,712 | 12,061,238 | 9,295,660 | 11,098,092 | 12,603,670 | 116,770,513 |

TABLE 20—Continued

**Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1953**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Shipments:[1] | | | | | | | | | | | | | |
| Barracuda, California | | | | | | | | | | 4,852 | | | 4,852 |
| Cabrilla | | | | 5,644 | | | | | | | | | 5,644 |
| Corvina, shortfin | 310 | | | 2,700 | | | | | | | | | 3,010 |
| Croaker, white (Kingfish) | | | | | | 135 | | | | | | | 135 |
| Grouper | | | | 180 | | | | | | | | | 180 |
| Halibut, California | | | | | | 145 | | | | | | | 145 |
| Rockfish | | | | | | | 4,188 | | | | | | 4,188 |
| Seabass, white | 1,410 | | | 8,741 | | 560 | 2,206 | 22,264 | | 600 | | | 35,781 |
| Tuna, albacore | | 148,916 | 1,392,352 | 2,155,373 | 699,987 | 322,768 | 2,066,289 | 1,718,560 | | | | | 8,504,239 |
| Tuna, skipjack | | 1,144,297 | | 215,237 | | | 677,854 | 37,768 | | 657,802 | 48,401 | | 2,781,359 |
| Tuna, yellowfin | | 272,142 | | 3,351 | | | 254,869 | | | 147,424 | | | 677,786 |
| Crustacean: | | | | | | | | | | | | | |
| Prawn | | | | | | | | | | 2,600 | | | 2,600 |
| Total pounds | 1,720 | 1,565,349 | 1,392,352 | 2,391,226 | 699,987 | 323,608 | 3,005,406 | 1,778,592 | | 813,278 | 48,401 | | 12,019,919 |
| Grand total, San Diego region | 4,673,377 | 4,628,380 | 6,350,141 | 8,282,903 | 8,506,023 | 10,693,740 | 19,712,193 | 22,218,431 | 12,219,019 | 11,120,747 | 11,951,884 | 13,036,720 | 132,793,558 |

[1] See Table 11 for origin of shipments.

TABLE 21

**The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953**

| Species | Eureka region | | Sacramento region | | San Francisco region | | Monterey region | |
|---|---|---|---|---|---|---|---|---|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings: | | | | | | | | |
| Anchovy | | | | | 3,072,524 | $65,137 | 13,694,993 | $293,072 |
| Barracuda, California | | | | | | | | |
| Bonito | | | | | | | | |
| Cabezon | | | | | 2,901 | 67 | 7,597 | 213 |
| Cabrilla | | | | | | | | |
| Carp | 13,010 | $739 | 287,055 | $16,333 | | | 21,087 | 546 |
| Catfish | | | 29,754 | 6,244 | | | | |
| Corvina, shortfin | | | | | | | | |
| Croaker, white (Kingfish) | | | | | 3,179 | 275 | 305,845 | 23,153 |
| Flounder | 217,314 | 8,736 | | | 239,437 | 9,625 | 40,200 | 2,673 |
| Flyingfish | | | | | | | | |
| Grouper | | | | | | | | |
| Hake | 75,131 | 1,562 | | | 10,370 | 311 | 18,425 | 383 |
| Halibut, California | | | | | 5,838 | 1,180 | 29,079 | 6,854 |
| Halibut, Pacific | 45,669 | 8,709 | | | 52,550 | 11,671 | | |
| Hardhead | | | 45,358 | 15,866 | | | | |
| Herring, Pacific | | | | | 4,791,961 | 77,150 | 2,667,105 | 83,214 |
| Lingcod | 620,479 | 40,330 | | | 207,992 | 14,122 | 92,379 | 8,341 |
| Mackerel, jack | 887 | 35 | | | 3,702 | 95 | 1,199,932 | 52,077 |
| Mackerel, Pacific | | | | | | | 750 | 75 |
| Perch | 64,997 | 9,678 | | | 65,443 | 11,537 | 31,744 | 2,956 |
| Pompano, California | | | | | | | 7,489 | 4,476 |
| Rock bass | | | | | | | | |
| Rockfish | 3,080,894 | 98,896 | | | 4,170,739 | 154,317 | 4,307,651 | 217,106 |
| Sablefish | 838,809 | 76,332 | | | 222,109 | 5,109 | 588,182 | 28,233 |
| Salmon | 2,949,816 | 718,575 | 869,696 | 177,938 | 3,314,547 | 800,130 | 790,970 | 208,262 |
| Sanddab | 106,426 | 5,119 | | | 263,908 | 13,749 | 283,671 | 21,332 |
| Sardine | | | | | | | 1,423 | 152 |
| Sculpin | | | | | | | | |
| Sculpin, staghorn | | | | | 3,120 | 146 | | |
| Sea bass, black | | | | | | | | |
| Seabass, white | | | | | 219 | 52 | 14,833 | 3,307 |
| Seatrout, greenling | | | | | | | 139 | 4 |
| Shad | | | 608,223 | 42,758 | | | | |
| Shark | 16,393 | 579 | | | 77,802 | 12,099 | 25,679 | 1,907 |
| Sheep-head | | | | | | | | |
| Sierra | | | | | | | | |
| Skate | 316,394 | 7,909 | | | 74,090 | 860 | 14,178 | 386 |
| Smelt | 84,642 | 5,052 | | | 248,833 | 19,135 | 178,632 | 11,737 |
| Sole | 12,669,842 | 709,512 | | | 3,167,918 | 191,026 | 1,199,634 | 92,612 |
| Splittail | | | 921 | 276 | | | | |
| Swordfish | | | | | 409 | 225 | 476 | 256 |
| Tomcod | | | | | 517 | 21 | | |
| Tuna, albacore | 264,531 | 52,827 | | | 4,278,698 | 845,898 | 2,408,848 | 461,294 |
| Tuna, black skipjack | | | | | | | | |
| Tuna, bluefin | | | | | | | | |
| Tuna, skipjack | | | | | | | 1,284 | 180 |
| Tuna, yellowfin | | | | | | | | |
| Turbot | 19,269 | 503 | | | 35,058 | 1,435 | 557 | 39 |
| Wahoo | | | | | | | | |
| Whitebait | 96,899 | 10,630 | | | 65,420 | 8,367 | 16,545 | 2,032 |
| Whitefish, ocean | | | | | | | | |
| Yellowtail | | | | | | | | |
| Miscellaneous fish | 189,165 | 4,540 | 139 | 13 | 48,757 | 2,163 | 5,487 | 178 |

TABLE 21—Continued

**The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953**

| Species | Eureka region | | Sacramento region | | San Francisco region | | Monterey region | |
|---|---|---|---|---|---|---|---|---|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Crustacean: | | | | | | | | |
| Crab | 4,106,156 | $752,248 | | | 4,125,890 | $664,681 | 13,597 | $2,787 |
| Crab, rock | | | | | | | | |
| Lobster, spiny | | | | | | | | |
| Prawn | | | | | | | 2,050 | 820 |
| Shrimp, bay | | | | | 732,308 | 51,774 | | |
| Shrimp, ocean | 43,145 | 5,449 | | | 45,343 | 3,437 | | |
| Mollusk: | | | | | | | | |
| Abalone | | | | | 27,325 | 3,407 | 26,225 | 4,172 |
| Clam, gaper | | | | | | | 2,124 | 154 |
| Clam, jackknife | | | | | | | | |
| Clam, Washington | 9,968 | 1,151 | | | 248 | 79 | | |
| Mussel | | | | | | | | |
| Octopus | 973 | 29 | | | 4,205 | 194 | 9,479 | 979 |
| Oyster, eastern | | | | | 129,733 | 28,360 | | |
| Oyster, Pacific | | | | | 134,449 | 15,408 | | |
| Snail, sea | | | | | | | | |
| Squid | | | | | | | 3,526,829 | 92,402 |
| Total pounds and value | 25,830,809 | $2,519,140 | 1,841,146 | $259,428 | 29,627,542 | $3,013,242 | 31,535,118 | $1,628,364 |
| Shipments:[1] | | | | | | | | |
| Barracuda, California | | | | | | | | |
| Cabrilla | | | | | | | | |
| Carp | | | | | | | | |
| Catfish | | | 155 | $50 | | | | |
| Corvina, shortfin | | | | | | | | |
| Croaker, white (Kingfish) | | | | | | | | |
| Eel | | | | | | | | |
| Grouper | | | | | | | | |
| Halibut, California | | | | | | | | |
| Halibut, Pacific | | | | | 4,292 | $258 | | |
| Herring, Pacific | | | | | 15,494 | 775 | | |
| Rockfish | | | | | | | | |
| Sablefish | | | | | 214,174 | 27,885 | | |
| Salmon | | | | | 166,420 | 50,276 | | |
| Seabass, white | | | | | | | | |
| Shad | | | | | 5,126 | 7,689 | | |
| Tuna, albacore | | | | | 3,616,813 | 725,894 | 190,578 | 38,268 |
| Tuna, bigeye | | | | | 20,000 | 3,200 | | |
| Tuna, bluefin | | | | | | | | |
| Tuna, skipjack | | | | | 1,142,916 | 157,037 | 1,228,136 | 169,114 |
| Tuna, yellowfin | | | | | 373,887 | 59,523 | 646,150 | 103,255 |
| Miscellaneous fish | | | | | 18,355 | 1,408 | | |
| Crustacean: | | | | | | | | |
| Prawn | | | | | | | | |
| Mollusk: | | | | | | | | |
| Clam[2] | | | | | | | | |
| Clam, Pismo | | | | | | | | |
| Total pounds and value | | | 155 | $50 | 5,577,477 | $1,033,945 | 2,064,864 | $310,637 |
| Grand totals | 25,830,809 | $2,519,140 | 1,841,301 | $259,478 | 35,205,019 | $4,047,187 | 33,599,982 | $1,939,001 |

TABLE 21—Continued

**The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953**

| Species | Santa Barbara region | | Los Angeles region | | San Diego region | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings: | | | | | | | | |
| Anchovy | 34,735,210 | $590,499 | 34,329,844 | $758,690 | 2,907 | $116 | 85,835,478 | $1,707,514 |
| Barracuda, California | 150,457 | 10,547 | 986,010 | 184,581 | 302,379 | 44,781 | 1,438,846 | 239,909 |
| Bonito | | | 2,353,085 | 229,661 | 749,562 | 73,157 | 3,102,647 | 302,818 |
| Cabezon | 2,808 | 158 | | | | | 13,306 | 438 |
| Cabrilla | | | 405,945 | 66,210 | 1,716 | 275 | 407,661 | 66,485 |
| Carp | | | 42,500 | 1,101 | 28,035 | 726 | 391,687 | 19,445 |
| Catfish | | | | | | | 29,754 | 6,244 |
| Corvina, shortfin | | | 180 | 45 | | | 180 | 45 |
| Croaker, white (Kingfish) | 32,025 | 1,835 | 828,399 | 33,302 | 31,612 | 3,060 | 1,201,060 | 61,625 |
| Flounder | 5,486 | 301 | | | | | 502,437 | 21,335 |
| Flyingfish | | | 72,831 | 5,324 | | | 72,831 | 5,324 |
| Grouper | | | 476,211 | 105,386 | 3,267 | 719 | 479,478 | 106,105 |
| Hake | | | | | | | 103,926 | 2,256 |
| Halibut, California | 156,775 | 37,078 | 128,584 | 34,706 | 210,039 | 44,465 | 530,315 | 124,283 |
| Halibut, Pacific | | | | | | | 98,219 | 20,380 |
| Hardhead | | | | | | | 45,358 | 15,866 |
| Herring, Pacific | 342,625 | 6,064 | | | 237 | 12 | 7,801,928 | 166,440 |
| Lingcod | 20,169 | 1,867 | 7,350 | 567 | 1,607 | 165 | 949,976 | 65,392 |
| Mackerel, jack | 8,619,355 | 297,368 | 45,910,081 | 1,643,581 | 16,898 | 709 | 55,750,855 | 1,993,865 |
| Mackerel, Pacific | 94,778 | 4,322 | 6,192,077 | 279,263 | 1,214,576 | 45,425 | 7,502,181 | 329,085 |
| Perch | 11,944 | 1,956 | 121,660 | 21,743 | 802 | 102 | 296,590 | 47,972 |
| Pompano, California | 111 | 67 | 3,791 | 1,101 | | | 11,391 | 5,644 |
| Rock bass | 3,368 | 348 | 23,503 | 4,414 | 7,244 | 1,162 | 34,115 | 5,924 |
| Rockfish | 195,453 | 15,906 | 428,939 | 50,100 | 34,209 | 4,532 | 12,217,885 | 540,857 |
| Sablefish | 1,670 | 88 | 4,653 | 477 | | | 1,655,423 | 110,239 |
| Salmon | 76,895 | 21,477 | 2,801 | 976 | 1,386 | 491 | 8,006,111 | 1,927,849 |
| Sanddab | 13,260 | 864 | 21,944 | 3,970 | 1,234 | 191 | 690,443 | 45,225 |
| Sardine | 972,348 | 54,257 | 7,849,060 | 446,611 | 646,041 | 26,681 | 9,468,872 | 527,701 |
| Sculpin | | | 75,232 | 18,290 | 44,306 | 8,769 | 119,538 | 27,059 |
| Sculpin, staghorn | | | | | | | 3,120 | 146 |
| Sea bass, black | 1,275 | 155 | 337,192 | 55,771 | 73,512 | 11,960 | 411,979 | 67,886 |
| Seabass, white | 58,550 | 15,627 | 502,343 | 151,959 | 297,348 | 74,099 | 873,293 | 245,044 |
| Seatrout, greenling | | | | | | | 139 | 4 |
| Shad | | | | | | | 608,223 | 42,758 |
| Shark | 100,333 | 12,140 | 84,213 | 12,153 | 145,337 | 17,252 | 449,757 | 56,130 |
| Sheep-head | 9,378 | 723 | 8,270 | 641 | 17,778 | 1,730 | 35,426 | 3,094 |
| Sierra | | | 331 | 40 | 575 | 98 | 906 | 138 |
| Skate | 7,769 | 683 | 3,111 | 255 | 127 | 13 | 415,669 | 10,106 |
| Smelt | 13,089 | 596 | 139,370 | 8,182 | 5,550 | 557 | 670,116 | 45,259 |
| Sole | 488,261 | 42,380 | 1,071 | 136 | | | 17,526,726 | 1,035,666 |
| Splittail | | | | | | | 921 | 276 |
| Swordfish | 7,166 | 3,373 | 91,134 | 43,890 | 43,646 | 20,021 | 142,831 | 67,765 |
| Tomcod | | | | | | | 517 | 21 |
| Tuna, albacore | 1,080,441 | 203,663 | 9,377,048 | 1,883,850 | 16,426,339 | 3,293,481 | 33,835,905 | 6,741,013 |
| Tuna, black skipjack | | | 4,215 | 590 | | | 4,215 | 590 |
| Tuna, bluefin | 112,643 | 18,225 | 8,185,653 | 1,303,156 | 1,474,319 | 228,962 | 9,772,615 | 1,550,343 |
| Tuna, skipjack | | | 69,192,610 | 9,493,226 | 53,112,266 | 7,356,049 | 122,306,160 | 16,849,455 |
| Tuna, yellowfin | | | 89,203,082 | 14,272,493 | 42,883,264 | 6,839,880 | 132,086,346 | 21,112,373 |
| Turbot | 14,055 | 772 | 219 | 23 | | | 69,158 | 2,772 |
| Wahoo | | | 24,874 | 3,674 | 1,314 | 460 | 26,188 | 4,134 |
| Whitebait | 428 | 51 | | | | | 179,292 | 21,080 |
| Whitefish, ocean | | | 985 | 69 | 4,854 | 414 | 5,839 | 483 |
| Yellowtail | | | 2,572,426 | 241,293 | 2,639,957 | 248,684 | 5,212,383 | 489,977 |
| Miscellaneous fish | 3,286 | 58 | 31,159 | 1,066 | 915 | 135 | 278,908 | 8,153 |

TABLE 21—Continued

**The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1953**

| Species | Santa Barbara region | | Los Angeles region | | San Diego region | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Crustacean: | | | | | | | | |
| Crab | 32,614 | $6,761 | | | | | 8,278,257 | $1,426,477 |
| Crab, rock | 8,105 | 209 | 31,383 | $3,816 | 9,812 | $367 | 49,300 | 4,392 |
| Lobster, spiny | 256,259 | 101,068 | 355,387 | 182,103 | 138,406 | 69,645 | 750,052 | 352,816 |
| Prawn | 673 | 390 | | | | | 2,723 | 1,210 |
| Shrimp, bay | | | | | | | 732,308 | 51,774 |
| Shrimp, ocean | 198,505 | 19,811 | 417 | 113 | | | 287,410 | 28,810 |
| Mollusk: | | | | | | | | |
| Abalone | 1,630,881 | 186,082 | 2,899,470 | 231,969 | 136,449 | 13,277 | 4,720,350 | 438,907 |
| Clam, gaper | | | | | | | 2,124 | 154 |
| Clam, jackknife | | | | | 47,777 | 17,988 | 47,777 | 17,988 |
| Clam, Washington | | | | | | | 10,216 | 1,230 |
| Mussel | | | | | 782 | 64 | 782 | 64 |
| Octopus | 1,878 | 128 | 589 | 101 | | | 17,124 | 1,431 |
| Oyster, eastern | | | | | | | 129,733 | 28,360 |
| Oyster, Pacific | 27,071 | 541 | | | | | 161,520 | 15,949 |
| Snail, sea | | | 244 | 12 | | | 244 | 12 |
| Squid | 10,033 | 200 | 5,364,997 | 112,129 | 15,255 | 801 | 8,917,114 | 205,532 |
| Total pounds and value | 49,497,430 | $1,658,638 | 288,676,473 | $31,892,809 | 120,773,639 | $18,451,475 | 547,782,157 | $59,423,096 |
| Shipments:[1] | | | | | | | | |
| Barracuda, California | | | | | 4,852 | $769 | 4,852 | $769 |
| Cabrilla | | | | | 5,644 | 993 | 5,644 | 993 |
| Carp | | | 31,710 | $948 | | | 31,710 | 948 |
| Catfish | | | | | | | 155 | 50 |
| Corvina, shortfin | | | | | 3,010 | 583 | 3,010 | 583 |
| Croaker, white (Kingfish) | | | | | 135 | 11 | 135 | 11 |
| Eel | | | 1,544 | 540 | | | 1,544 | 540 |
| Grouper | | | | | 180 | 45 | 180 | 45 |
| Halibut, California | | | | | 145 | 23 | 145 | 23 |
| Halibut, Pacific | | | | | | | 4,292 | 258 |
| Herring, Pacific | | | 160,773 | 5,627 | | | 176,267 | 6,402 |
| Rockfish | | | | | 4,188 | 321 | 4,188 | 321 |
| Sablefish | | | 244,935 | 44,505 | | | 459,109 | 72,390 |
| Salmon | | | 620,634 | 218,339 | | | 787,054 | 268,615 |
| Seabass, white | | | | | 35,781 | 6,523 | 35,781 | 6,523 |
| Shad | | | | | | | 5,126 | 7,689 |
| Tuna, albacore | | | 33,875,186 | 6,585,336 | 8,504,239 | 1,762,929 | 46,186,816 | 9,112,427 |
| Tuna, bigeye | | | | | | | 20,000 | 3,200 |
| Tuna, bluefin | | | 62,447 | 10,042 | | | 62,447 | 10,042 |
| Tuna, skipjack | | | 3,195,325 | 442,552 | 2,781,359 | 381,324 | 8,347,736 | 1,150,027 |
| Tuna, yellowfin | | | 6,760,783 | 1,041,161 | 677,786 | 108,242 | 8,458,606 | 1,312,181 |
| Miscellaneous fish | | | 180,731 | 42,626 | | | 199,086 | 44,034 |
| Crustacean: | | | | | | | | |
| Prawn | | | | | 2,600 | 1,245 | 2,600 | 1,245 |
| Mollusk: | | | | | | | | |
| Clam[2] | | | 2,824 | 339 | | | 2,824 | 339 |
| Clam, Pismo | | | 6,317,152 | 105,496 | | | 6,317,152 | 105,496 |
| Total pounds and value | | | 51,454,044 | $8,497,511 | 12,019,919 | $2,263,008 | 71,116,459 | $12,105,151 |
| Grand totals | 49,497,430 | $1,658,638 | 340,130,517 | $40,390,320 | 132,793,558 | $20,714,483 | 618,898,616 | $71,528,247 |

[1] See Table 11 for origin of shipments.
[2] Cleaned weight, no conversion factor available.

TABLE 22

**Landings of the Commercial Fishing Boats in the Eureka Region During 1953, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Eureka region totals | | $2,519,140 | 25,830,809 |
| Eureka | Sole | 401,920 | 7,177,134 |
| | Crab | 242,724 | 1,324,912 |
| | Salmon | 167,851 | 689,042 |
| | Sablefish | 39,367 | 432,602 |
| | Rockfish | 35,947 | 1,119,829 |
| | Albacore | 22,123 | 110,781 |
| | Lingcod | 13,900 | 213,852 |
| | Pacific halibut | 8,639 | 45,302 |
| | All other | 19,893 | 322,640 |
| | Totals | $952,364 | 11,436,094 |
| Fort Bragg | Salmon | $392,357 | 1,610,661 |
| | Sole | 81,620 | 1,457,497 |
| | Crab | 72,703 | 396,851 |
| | Rockfish | 29,115 | 907,019 |
| | Sablefish | 25,946 | 285,120 |
| | Albacore | 22,065 | 110,489 |
| | Lingcod | 6,245 | 96,075 |
| | All other | 5,709 | 77,440 |
| | Totals | $635,760 | 4,941,152 |
| Crescent City | Crab | $288,624 | 1,575,456 |
| | Salmon | 92,793 | 386,922 |
| | Sole | 68,873 | 1,229,879 |
| | Lingcod | 10,783 | 165,898 |
| | Rockfish | 10,774 | 335,640 |
| | Ocean shrimp | 5,191 | 41,100 |
| | All other | 7,180 | 121,731 |
| | Totals | $484,218 | 3,850,626 |
| Fields Landing | Sole | $157,099 | 2,805,332 |
| | Crab | 59,872 | 326,816 |
| | Salmon | 43,489 | 178,527 |
| | Rockfish | 23,059 | 718,363 |
| | Sablefish | 9,496 | 104,349 |
| | Lingcod | 9,306 | 143,172 |
| | Albacore | 8,639 | 43,261 |
| | Skate | 7,257 | 290,299 |
| | All other | 14,680 | 379,199 |
| | Totals | $332,897 | 4,989,318 |
| Trinidad | Crab | $88,024 | 480,480 |
| | Salmon | 6,375 | 26,172 |
| | All other | 121 | 1,354 |
| | Totals | $94,520 | 508,006 |
| Point Arena | Salmon | $13,282 | 54,525 |
| | All other | 109 | 1,338 |
| | Totals | $13,391 | 55,863 |
| All other ports | All other | $5,990 | 49,750 |
| | Totals | $5,990 | 49,750 |

## TABLE 23

**Landings of the Commercial Fishing Boats and Shipments Into the Sacramento Region During 1953, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Sacramento region totals | | $259,478 | 1,841,301 |
| Pittsburg | Salmon | $101,479 | 495,995 |
| | Shad | 37,268 | 530,132 |
| | Catfish | 2,151 | 10,252 |
| | All other | 591 | 10,409 |
| | Totals | $141,489 | 1,046,788 |
| Martinez | Salmon | $43,837 | 214,259 |
| | Shad | 3,562 | 50,667 |
| | Carp | 10 | 170 |
| | Totals | $47,409 | 265,096 |
| Sacramento | Hardhead | $15,866 | 45,358 |
| | Salmon | 14,182 | 69,315 |
| | All other | 3,022 | 37,819 |
| | Totals | $33,070 | 152,492 |
| Benicia | Salmon | $17,551 | 85,780 |
| | All other | 1,401 | 19,933 |
| | Totals | $18,952 | 105,713 |
| Turlock | Carp | $8,882 | 156,094 |
| | Totals | $8,882 | 156,094 |
| Antioch | Carp | $4,943 | 86,875 |
| | Catfish | 43 | 206 |
| | Totals | $4,986 | 87,081 |
| All other ports | Catfish | $3,366 | 16,038 |
| | All other | 1,324 | 11,999 |
| | Totals | $4,690 | 28,037 |

## TABLE 24

**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1953, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| San Francisco region totals | | $4,047,187 | 35,205,019 |
| San Francisco | Albacore | $1,378,144 | 6,916,006 |
| | Crab | 432,360 | 2,683,802 |
| | Skipjack | 157,037 | 1,142,916 |
| | Salmon | 156,297 | 624,011 |
| | Sole | 139,292 | 2,309,974 |
| | Rockfish | 95,782 | 2,588,615 |
| | Anchovy | 64,933 | 3,062,882 |
| | Yellowfin | 59,523 | 373,887 |
| | Pacific herring | 39,864 | 2,443,399 |
| | Bay shrimp | 38,305 | 541,797 |
| | Sablefish | 31,768 | 383,007 |
| | Sanddab | 11,983 | 230,001 |
| | Shark | 11,041 | 71,005 |
| | Pacific halibut | 10,885 | 52,140 |
| | Smelt | 10,557 | 137,281 |
| | All other | 43,629 | 538,125 |
| | Totals | $2,681,400 | 24,098,848 |
| Point Reyes (Drakes Bay) | Salmon | $377,969 | 1,565,738 |
| | Crab | 77,204 | 479,231 |
| | Sole | 17,392 | 288,431 |
| | Rockfish | 17,069 | 461,322 |
| | All other | 12,554 | 195,966 |
| | Totals | $502,188 | 2,990,688 |
| Bodega Bay | Salmon | $268,081 | 1,110,528 |
| | Crab | 104,279 | 647,291 |
| | Rockfish | 41,456 | 1,120,563 |
| | Sole | 34,230 | 567,662 |
| | Albacore | 9,277 | 46,923 |
| | Smelt | 7,454 | 96,934 |
| | All other | 15,489 | 230,971 |
| | Totals | $480,266 | 3,820,872 |
| Sausalito | Albacore | $182,673 | 923,993 |
| | Crab | 9,435 | 58,565 |
| | All other | 3,746 | 15,550 |
| | Totals | $195,854 | 998,108 |
| Tomales Bay (Marshall) | Pacific herring | $38,025 | 2,361,803 |
| | Eastern oyster | 28,360 | 129,733 |
| | Pacific oyster | 11,442 | 99,844 |
| | All other | 5,432 | 36,340 |
| | Totals | $83,259 | 2,627,720 |
| Princeton | Salmon | $38,856 | 142,565 |
| | Crab | 17,683 | 109,762 |
| | All other | 5,469 | 49,206 |
| | Totals | $62,008 | 301,533 |
| Oakland | Crab | $17,051 | 105,844 |
| | All other | 3,720 | 41,443 |
| | Totals | $20,771 | 147,287 |

TABLE 24—Continued

**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1953, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Berkeley | Crab | $4,971 | 30,856 |
| | Salmon | 4,494 | 18,618 |
| | All other | 129 | 5,016 |
| | Totals | $9,594 | 54,490 |
| Richmond | Bay shrimp | $9,354 | 132,311 |
| | All other | 167 | 3,205 |
| | Totals | $9,521 | 135,516 |
| All other ports | All other | $2,326 | 29,957 |
| | Totals | $2,326 | 29,957 |

## TABLE 25

**Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1953, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Monterey region totals | | $1,939,001 | 33,599,982 |
| Monterey | Anchovy | $273,501 | 12,780,443 |
| | Albacore | 191,732 | 991,957 |
| | Rockfish | 175,242 | 3,477,020 |
| | Skipjack | 169,294 | 1,229,420 |
| | Yellowfin | 103,255 | 646,150 |
| | Salmon | 90,318 | 343,024 |
| | Squid | 84,340 | 3,219,101 |
| | Jack mackerel | 36,314 | 836,718 |
| | Sole | 31,480 | 407,770 |
| | Sablefish | 13,909 | 289,766 |
| | White croaker (Kingfish) | 10,826 | 143,011 |
| | Pacific herring | 9,797 | 314,015 |
| | Sanddab | 7,919 | 105,308 |
| | Lingcod | 6,117 | 67,742 |
| | All other | 20,458 | 181,488 |
| | Totals | $1,224,502 | 25,032,933 |
| Moss Landing | Albacore | $279,259 | 1,458,274 |
| | Pacific herring | 69,818 | 2,237,750 |
| | Salmon | 51,124 | 194,167 |
| | Anchovy | 19,399 | 906,500 |
| | Jack mackerel | 12,943 | 298,230 |
| | Squid | 7,561 | 288,603 |
| | White croaker (Kingfish) | 5,163 | 68,201 |
| | All other | 6,522 | 82,908 |
| | Totals | $451,789 | 5,534,633 |
| Santa Cruz | Salmon | $66,820 | 253,779 |
| | Sole | 58,670 | 759,974 |
| | Rockfish | 40,723 | 808,002 |
| | Albacore | 28,571 | 149,195 |
| | Sablefish | 13,992 | 291,495 |
| | Sanddab | 12,860 | 171,012 |
| | Smelt | 7,723 | 117,546 |
| | White croaker (Kingfish) | 7,164 | 94,633 |
| | All other | 25,641 | 365,693 |
| | Totals | $262,164 | 3,011,329 |
| All other ports | All other | $546 | 21,087 |
| | Totals | $546 | 21,087 |

## TABLE 26

### Landings of the Commercial Fishing Boats in the Santa Barbara Region During 1953, Shown by Port of Landing With the Corresponding Values

| | | Value | Pounds |
|---|---|---|---|
| Santa Barbara region totals | | $1,658,638 | 49,497,430 |
| Port Hueneme | Anchovy | $480,279 | 28,251,701 |
| | Jack mackerel | 253,182 | 7,338,595 |
| | Sardine | 32,195 | 576,970 |
| | Bluefin | 8,402 | 51,931 |
| | All other | 17,077 | 197,479 |
| | Totals | $791,135 | 36,416,676 |
| Santa Barbara | Abalone | $129,840 | 1,137,956 |
| | Anchovy | 109,274 | 6,427,875 |
| | Spiny lobster | 99,290 | 251,750 |
| | Jack mackerel | 44,186 | 1,280,760 |
| | California halibut | 28,171 | 119,115 |
| | Sardine | 15,585 | 279,309 |
| | White seabass | 14,884 | 55,767 |
| | Sole | 12,597 | 145,129 |
| | Shark | 10,219 | 84,456 |
| | Bluefin | 9,823 | 60,712 |
| | California barracuda | 6,031 | 86,032 |
| | All other | 9,103 | 93,512 |
| | Totals | $489,003 | 10,022,373 |
| Morro Bay | Albacore | $171,076 | 907,566 |
| | Sole | 20,626 | 237,627 |
| | Ocean shrimp | 19,811 | 198,505 |
| | Abalone | 16,017 | 140,371 |
| | Rockfish | 10,116 | 124,324 |
| | All other | 6,633 | 77,678 |
| | Totals | $244,279 | 1,686,071 |
| Avila | Albacore | $30,606 | 162,367 |
| | Salmon | 21,384 | 76,563 |
| | Abalone | 16,930 | 148,382 |
| | Sole | 9,153 | 105,454 |
| | Sardine | 6,477 | 116,069 |
| | Pacific herring | 6,064 | 342,625 |
| | California halibut | 5,441 | 23,005 |
| | Crab | 5,034 | 24,282 |
| | All other | 10,512 | 175,060 |
| | Totals | $111,601 | 1,173,807 |
| San Simeon | Abalone | $14,419 | 126,375 |
| | Totals | $14,419 | 126,375 |
| Cayucos | Abalone | $5,910 | 51,800 |
| | Totals | $5,910 | 51,800 |
| All other ports | All other | $2,291 | 20,328 |
| | Totals | $2,291 | 20,328 |

## TABLE 27

### Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1953, Shown by Port of Landing With the Corresponding Values

| | | Value | Pounds |
|---|---|---|---|
| Los Angeles region totals | | $40,390,320 | 340,130,517 |
| Terminal Island | Yellowfin | $14,501,314 | 90,861,864 |
| | Skipjack | 9,395,135 | 68,460,581 |
| | Albacore | 7,956,254 | 40,656,544 |
| | Jack mackerel | 1,225,486 | 34,231,442 |
| | Bluefin | 1,014,654 | 6,372,847 |
| | Yellowtail | 215,263 | 2,294,918 |
| | Bonito | 210,864 | 2,160,487 |
| | Anchovy | 179,876 | 8,139,168 |
| | Sardine | 139,592 | 2,453,290 |
| | Pacific mackerel | 128,804 | 2,855,967 |
| | Squid | 73,442 | 3,513,950 |
| | All other | 1,379 | 16,225 |
| | Totals | $35,042,063 | 262,017,283 |
| Long Beach | Yellowfin | $508,898 | 3,205,484 |
| | Skipjack | 397,264 | 2,882,319 |
| | Albacore | 304,976 | 1,560,573 |
| | Anchovy | 289,521 | 13,100,482 |
| | Jack mackerel | 99,121 | 2,768,744 |
| | Pismo clam | 80,273 | 4,806,768 |
| | Bluefin | 79,288 | 498,017 |
| | Spiny lobster | 44,847 | 87,523 |
| | Sardine | 37,965 | 667,221 |
| | Squid | 32,866 | 1,572,533 |
| | Pacific mackerel | 20,849 | 462,277 |
| | Bonito | 17,178 | 176,000 |
| | Yellowtail | 10,642 | 113,452 |
| | Rockfish | 8,101 | 69,360 |
| | All others | 14,864 | 105,564 |
| | Totals | $1,946,653 | 32,076,317 |
| San Pedro | California barracuda | $181,127 | 967,557 |
| | Sardine | 171,838 | 3,020,008 |
| | White seabass | 135,152 | 446,785 |
| | Grouper | 104,873 | 473,893 |
| | Abalone | 94,120 | 1,176,500 |
| | Bluefin | 85,608 | 537,739 |
| | Cabrilla | 65,408 | 401,030 |
| | Black sea bass | 55,406 | 334,982 |
| | Spiny lobster | 54,402 | 106,170 |
| | Yellowfin | 51,781 | 323,631 |
| | Anchovy | 42,308 | 1,914,392 |
| | Jack mackerel | 32,639 | 911,717 |
| | Rockfish | 32,102 | 274,849 |
| | California halibut | 30,328 | 112,368 |
| | Perch | 18,223 | 101,973 |
| | Pacific mackerel | 16,851 | 373,638 |
| | Sculpin | 16,761 | 68,945 |
| | Yellowtail | 15,010 | 160,017 |
| | Albacore | 10,995 | 54,727 |
| | Swordfish | 9,001 | 18,689 |
| | White croaker (Kingfish) | 8,668 | 215,611 |
| | Shark | 7,488 | 51,889 |
| | Smelt | 5,186 | 88,343 |
| | Squid | 4,925 | 235,628 |
| | All other | 17,656 | 144,615 |
| | Totals | $1,267,856 | 12,515,696 |

TABLE 27—Continued

**Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1953, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Wilmington | Jack mackerel | $281,291 | 7,857,298 |
| | Yellowfin | 251,619 | 1,572,621 |
| | Anchovy | 161,092 | 7,289,225 |
| | Skipjack | 143,362 | 1,044,915 |
| | Bluefin | 114,245 | 717,619 |
| | Sardine | 54,219 | 952,883 |
| | Pacific mackerel | 35,018 | 776,452 |
| | Albacore | 31,013 | 154,370 |
| | White croaker (Kingfish) | 15,777 | 392,452 |
| | Pacific herring | 5,627 | 160,773 |
| | All other | 5,154 | 55,439 |
| | Totals | $1,098,417 | 20,974,047 |
| Newport Beach | Albacore | $162,936 | 811,030 |
| | Abalone | 132,013 | 1,650,022 |
| | Pacific mackerel | 75,387 | 1,671,559 |
| | Anchovy | 46,922 | 2,123,190 |
| | Swordfish | 30,433 | 63,191 |
| | Spiny lobster | 17,873 | 34,881 |
| | White seabass | 7,908 | 26,143 |
| | Sardine | 7,898 | 138,800 |
| | All other | 13,513 | 152,092 |
| | Totals | $494,883 | 6,670,908 |
| Los Angeles | Salmon | $218,339 | 620,634 |
| | Sablefish | 44,505 | 244,935 |
| | Pismo clam | 25,223 | 1,510,384 |
| | All other | 46,210 | 285,986 |
| | Totals | $334,277 | 2,661,939 |
| Santa Monica | Anchovy | $38,865 | 1,758,584 |
| | Sardine | 35,092 | 616,729 |
| | Spiny lobster | 33,336 | 65,058 |
| | Bluefin | 19,399 | 121,852 |
| | Rockfish | 6,632 | 56,785 |
| | White croaker (Kingfish) | 5,901 | 146,802 |
| | White seabass | 3,952 | 13,063 |
| | Jack mackerel | 3,630 | 101,399 |
| | Albacore | 2,692 | 13,398 |
| | All other | 8,215 | 96,621 |
| | Totals | $157,714 | 2,990,291 |
| Redondo Beach | Spiny lobster | $8,541 | 16,668 |
| | Rock crab | 2,250 | 18,504 |
| | All other | 4,390 | 46,640 |
| | Totals | $15,181 | 81,812 |
| Avalon (Catalina Island) | Spiny lobster | $7,739 | 15,103 |
| | Swordfish | 1,587 | 3,296 |
| | All other | 3,394 | 28,809 |
| | Totals | $12,720 | 47,208 |
| Dana Point | Spiny lobster | $9,488 | 18,516 |
| | All other | 1,752 | 17,683 |
| | Totals | $11,240 | 36,199 |
| All other ports | Spiny lobster | $5,731 | 11,184 |
| | All other | 3,585 | 47,633 |
| | Totals | $9,316 | 58,817 |

## TABLE 28

**Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1953, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| San Diego region totals | | $20,714,483 | 132,793,558 |
| San Diego (Point Loma) | Skipjack | $7,737,373 | 55,893,625 |
| | Yellowfin | 6,948,122 | 43,561,050 |
| | Albacore | 5,056,305 | 24,930,051 |
| | Yellowtail | 248,368 | 2,636,601 |
| | Bluefin | 228,962 | 1,474,319 |
| | White seabass | 73,821 | 305,838 |
| | Bonito | 73,151 | 749,499 |
| | Spiny lobster | 57,400 | 114,071 |
| | Pacific mackerel | 45,395 | 1,213,786 |
| | California barracuda | 45,074 | 304,010 |
| | California halibut | 43,914 | 207,473 |
| | Sardine | 26,681 | 646,041 |
| | Swordfish | 19,913 | 43,411 |
| | Shark | 16,669 | 140,428 |
| | Abalone | 12,933 | 132,914 |
| | Black sea bass | 11,603 | 71,318 |
| | Jackknife clam | 8,075 | 21,447 |
| | Sculpin | 8,012 | 40,483 |
| | All other | 18,174 | 166,737 |
| | Totals | $20,679,945 | 132,653,102 |
| Encinitas | Spiny lobster | $7,752 | 15,406 |
| | White seabass | 2,262 | 9,078 |
| | All other | 1,738 | 12,692 |
| | Totals | $11,752 | 37,176 |
| Mission Beach | Jackknife clam | $9,512 | 25,265 |
| | Totals | $9,512 | 25,265 |
| Oceanside | White seabass | $4,083 | 16,384 |
| | Spiny lobster | 2,290 | 4,551 |
| | All other | 2,683 | 18,133 |
| | Totals | $9,056 | 39,068 |
| La Jolla | Spiny lobster | $2,243 | 4,458 |
| | All other | 820 | 5,165 |
| | Totals | $3,063 | 9,623 |
| All other ports | All other | $1,155 | 29,324 |
| | Totals | $1,155 | 29,324 |

## TABLE 29

### Origin of Shipments of Fresh Fish Into California During 1954

| Shipped from | Shipped to | | | | | Total pounds |
|---|---|---|---|---|---|---|
| | San Francisco region | Monterey region | Santa Barbara region | Los Angeles region | San Diego region | |
| Continental United States: | | | | | | |
| Salmon | ---- | ---- | ---- | 51,985 | ---- | 51,985 |
| Miscellaneous fish | 1,230 | ---- | ---- | 100,174 | ---- | 101,404 |
| Oregon, Washington, British Columbia and Alaska: | | | | | | |
| Halibut, Pacific | 20,803 | ---- | ---- | ---- | ---- | 20,803 |
| Sablefish | 185,236 | ---- | ---- | 262,151 | ---- | 447,387 |
| Salmon | 90,625 | ---- | ---- | 453,424 | ---- | 544,049 |
| Miscellaneous fish | ---- | ---- | ---- | 30,750 | ---- | 30,750 |
| South of the international boundary: | | | | | | |
| Barracuda, California | ---- | ---- | ---- | 460 | 25,412 | 25,872 |
| Bonito | ---- | ---- | ---- | 1,555 | 2,346 | 3,901 |
| Cabrilla | ---- | ---- | ---- | 4,510 | ---- | 4,510 |
| Corvina, shortfin | ---- | ---- | ---- | 113 | ---- | 113 |
| Halibut, California | ---- | ---- | ---- | ---- | 808 | 808 |
| Rockfish | ---- | ---- | ---- | 9,812 | ---- | 9,812 |
| Sea bass, black | ---- | ---- | ---- | 49,071 | 10,306 | 59,377 |
| Seabass, white | ---- | ---- | ---- | ---- | 440 | 440 |
| Shark | ---- | ---- | ---- | 755 | ---- | 755 |
| Tuna, albacore | ---- | ---- | ---- | ---- | 4,548 | 4,548 |
| Tuna, bluefin | ---- | ---- | ---- | ---- | 451,025 | 451,025 |
| Tuna, skipjack | ---- | ---- | ---- | 807,305 | 231,564 | 1,038,869 |
| Tuna, yellowfin | ---- | ---- | ---- | 655,312 | 19,645 | 674,957 |
| Yellowtail | ---- | ---- | ---- | 1,670 | 12,282 | 13,952 |
| Crustacean: | | | | | | |
| Shrimp | ---- | 100 | ---- | ---- | ---- | 100 |
| Mollusk: | | | | | | |
| Clam, Pismo | ---- | ---- | ---- | 356,048 | ---- | 356,048 |
| South America: | | | | | | |
| Tuna, skipjack | 79,561 | 434,110 | ---- | 4,811,607 | 6,618,411 | 11,943,689 |
| Tuna, yellowfin | 65,038 | 167,819 | ---- | 3,821,596 | 2,964,005 | 7,018,458 |
| Fiji Islands: | | | | | | |
| Tuna, albacore | ---- | ---- | ---- | 237,613 | ---- | 237,613 |
| Tuna, skipjack | ---- | ---- | ---- | 166 | ---- | 166 |
| Tuna, yellowfin | ---- | ---- | ---- | 550,408 | ---- | 550,408 |
| Japan: | | | | | | |
| Sardine | 5,750 | ---- | ---- | ---- | ---- | 5,750 |
| Tuna, albacore | 5,032,809 | 2,640 | ---- | 28,677,754 | 4,511,019 | 38,224,222 |
| Tuna, bigeye | 93,786 | ---- | 68,951 | 1,087,200 | ---- | 1,249,937 |
| Tuna, oriental | ---- | ---- | ---- | 132,861 | ---- | 132,861 |
| Tuna, skipjack | 80,487 | ---- | ---- | 2,575,722 | 68,823 | 2,725,032 |
| Tuna, yellowfin | 4,303,269 | 981,516 | 50,000 | 14,990,721 | 1,132,569 | 21,458,075 |
| Australia: | | | | | | |
| Tuna, bluefin | ---- | ---- | ---- | 187,261 | ---- | 187,261 |
| Total pounds | 9,958,594 | 1,586,185 | 118,951 | 59,858,004 | 16,053,203 | 87,574,937 |

TABLE 29—Continued

**Origin of Shipments of Fresh Fish Into California During 1954**

| | Pounds | | Pounds |
|---|---|---|---|
| Recapitulation: | | | |
| Barracuda, California | 25,872 | Tuna, bigeye | 1,249,937 |
| Bonito | 3,901 | Tuna, bluefin | 638,286 |
| Cabrilla | 4,510 | Tuna, oriental | 132,861 |
| Corvina, shortfin | 113 | Tuna, skipjack | 15,707,756 |
| Halibut, California | 808 | Tuna, yellowfin | 29,701,898 |
| Halibut, Pacific | 20,803 | Yellowtail | 13,952 |
| Rockfish | 9,812 | Miscellaneous fish | 132,154 |
| Sablefish | 447,387 | Crustacean: | |
| Salmon | 596,034 | Shrimp | 100 |
| Sardine | 5,750 | Mollusk: | |
| | | Clam, Pismo | 356,048 |
| Sea bass, black | 59,377 | | |
| Seabass, white | 440 | Total pounds | 87,574,937 |
| Shark | 755 | | |
| Tuna, albacore | 38,466,383 | | |

## TABLE 30

### Origin of the Commercial Fish Landings and Shipments Into California During 1954

| Species | Fishing boat landings | | | | Shipments[1] | Total pounds of fishing boat landings and shipments combined |
|---|---|---|---|---|---|---|
| | California | North of the state boundary | South of the international boundary | Total fishing boat landings | | |
| Anchovy | 42,410,214 | ---- | ---- | 42,410,214 | ---- | 42,410,214 |
| Barracuda, California | 485,946 | ---- | 1,076,793 | 1,562,739 | 25,872 | 1,588,611 |
| Bonito | 218,701 | ---- | 2,100,359 | 2,319,060 | 3,901 | 2,322,961 |
| Cabezon | 6,212 | ---- | ---- | 6,212 | ---- | 6,212 |
| Cabrilla | ---- | ---- | 155,547 | 155,547 | 4,510 | 160,057 |
| Carp | 506,216 | ---- | ---- | 506,216 | ---- | 506,216 |
| Corvina, shortfin | ---- | ---- | ---- | ---- | 113 | 113 |
| Croaker, white (Kingfish) | 913,674 | ---- | 128 | 913,802 | ---- | 913,802 |
| Dolphinfish, common | ---- | ---- | 239 | 239 | ---- | 239 |
| Flounder | 478,704 | 21,846 | ---- | 500,550 | ---- | 500,550 |
| Flyingfish | 13,748 | ---- | ---- | 13,748 | ---- | 13,748 |
| Grouper | ---- | ---- | 522,320 | 522,320 | ---- | 522,320 |
| Hake | 527,895 | 83,627 | ---- | 611,522 | ---- | 611,522 |
| Halfmoon | 49,402 | ---- | 605 | 50,007 | ---- | 50,007 |
| Halibut California | 444,543 | ---- | 216,788 | 661,331 | 808 | 662,139 |
| Halibut, Pacific | 90,682 | ---- | ---- | 90,682 | 20,803 | 111,485 |
| Hardhead | 94,081 | ---- | ---- | 94,081 | ---- | 94,081 |
| Herring, Pacific | 911,906 | ---- | ---- | 911,906 | ---- | 911,906 |
| Lingcod | 895,095 | 52,248 | ---- | 947,343 | ---- | 947,343 |
| Mackerel, jack | 17,323,947 | ---- | 9,600 | 17,333,547 | ---- | 17,333,547 |
| Mackerel, Pacific | 25,031,679 | ---- | 360,925 | 25,392,604 | ---- | 25,392,604 |
| Midshipman | 2,865 | ---- | ---- | 2,865 | ---- | 2,865 |
| Needlefish, California | 200 | ---- | ---- | 200 | ---- | 200 |
| Opaleye | 9,067 | ---- | ---- | 9,067 | ---- | 9,067 |
| Perch | 118,499 | ---- | ---- | 118,499 | ---- | 118,499 |
| Pompano, California | 44,602 | ---- | ---- | 44,602 | ---- | 44,602 |
| Ratfish | 11,287 | ---- | ---- | 11,287 | ---- | 11,287 |
| Rock bass | ---- | ---- | 3,143 | 3,143 | ---- | 3,143 |
| Rockfish | 12,102,186 | 409,326 | 129,217 | 12,640,729 | 9,812 | 12,650,541 |
| Sablefish | 2,268,945 | 88,268 | 318 | 2,357,531 | 447,387 | 2,804,918 |
| Salmon | 9,497,173 | 1,451 | ---- | 9,498,624 | 596,034 | 10,094,658 |
| Sanddab | 749,771 | 3,700 | ---- | 753,471 | ---- | 753,471 |
| Sardine | 134,091,068 | ---- | 2,412,949 | 136,504,017 | 5,750 | 136,509,767 |
| Sargo, California | 2,040 | ---- | ---- | 2,040 | ---- | 2,040 |
| Sculpin | 134,297 | ---- | ---- | 134,297 | ---- | 134,297 |
| Sculpin, staghorn | 3,215 | ---- | ---- | 3,215 | ---- | 3,215 |
| Sea bass, black | 5,835 | ---- | 344,441 | 350,276 | 59,377 | 409,653 |
| Seabass, white | 434,354 | ---- | 771,757 | 1,206,111 | 440 | 1,206,551 |
| Shad | 737,481 | ---- | ---- | 737,481 | ---- | 737,481 |
| Shark | 733,397 | ---- | 36,940 | 770,337 | 755 | 771,092 |
| Sheep-head | 26,873 | ---- | 2,311 | 29,184 | ---- | 29,184 |
| Sierra | ---- | ---- | 565 | 565 | ---- | 565 |
| Skate | 136,221 | ---- | ---- | 136,221 | ---- | 136,221 |
| Smelt | 608,609 | ---- | ---- | 608,609 | ---- | 608,609 |
| Sole | 17,160,443 | 2,571,736 | ---- | 19,732,179 | ---- | 19,732,179 |
| Splittail | 782 | ---- | ---- | 782 | ---- | 782 |
| Swordfish | 16,568 | ---- | 6,487 | 23,055 | ---- | 23,055 |
| Tuna, albacore | 14,289,095 | ---- | 11,818,195 | 26,107,290 | 38,466,383 | 64,573,673 |
| Tuna, bigeye | ---- | ---- | ---- | ---- | 1,249,937 | 1,249,937 |
| Tuna, bluefin | 5,647,572 | ---- | 15,377,248 | 21,024,820 | 638,286 | 21,663,106 |

TABLE 30—Continued

**Origin of the Commercial Fish Landings and Shipments Into California During 1954**

| Species | Fishing boat landings | | | | Shipments[1] | Total pounds of fishing boat landings and shipments combined |
|---|---|---|---|---|---|---|
| | California | North of the state boundary | South of the international boundary | Total fishing boat landings | | |
| Tuna, oriental | ---- | ---- | ---- | ---- | 132,861 | 132,861 |
| Tuna, skipjack | 14,399 | ---- | 153,741,791 | 153,756,190 | 15,707,756 | 169,463,946 |
| Tuna, yellowfin | ---- | ---- | 119,401,795 | 119,401,795 | 29,701,898 | 149,103,693 |
| Turbot | 161,353 | 14,565 | ---- | 175,918 | ---- | 175,918 |
| Wahoo | ---- | ---- | 5,363 | 5,363 | ---- | 5,363 |
| Whitebait | 267,281 | ---- | ---- | 267,281 | ---- | 267,281 |
| Whitefish, ocean | 1,237 | ---- | 2,397 | 3,634 | ---- | 3,634 |
| Yellowtail | 11,846 | ---- | 1,644,932 | 1,656,778 | 13,952 | 1,670,730 |
| Miscellaneous fish | 4,131 | 43 | 142 | 4,316 | 132,154 | 136,470 |
| Crustacean: | | | | | | |
| Crab | 7,828,208 | ---- | ---- | 7,828,208 | ---- | 7,828,208 |
| Crab, rock | 39,058 | ---- | ---- | 39,058 | ---- | 39,058 |
| Lobster, spiny | 901,293 | ---- | 107 | 901,400 | ---- | 901,400 |
| Prawn | 2,695 | ---- | ---- | 2,695 | ---- | 2,695 |
| Shrimp | ---- | ---- | ---- | ---- | 100 | 100 |
| Shrimp, bay | 744,768 | ---- | ---- | 744,768 | ---- | 744,768 |
| Shrimp, ocean | 290,142 | 6,655 | ---- | 296,797 | ---- | 296,797 |
| Mollusk: | | | | | | |
| Abalone | 4,099,525 | ---- | ---- | 4,099,525 | ---- | 4,099,525 |
| Clam, gaper | 1,098 | ---- | ---- | 1,098 | ---- | 1,098 |
| Clam, jackknife | 43,747 | ---- | ---- | 43,747 | ---- | 43,747 |
| Clam, Pismo | ---- | ---- | ---- | ---- | 356,048 | 356,048 |
| Clam, Washington | 10,279 | ---- | ---- | 10,279 | ---- | 10,279 |
| Mussel | 466 | ---- | ---- | 466 | ---- | 466 |
| Octopus | 30,758 | ---- | ---- | 30,758 | ---- | 30,758 |
| Oyster, eastern | 124,928 | ---- | ---- | 124,928 | ---- | 124,928 |
| Oyster, native | 6,047 | ---- | ---- | 6,047 | ---- | 6,047 |
| Oyster, Pacific | 460,620 | ---- | ---- | 460,620 | ---- | 460,620 |
| Snail, sea | 336 | ---- | ---- | 336 | ---- | 336 |
| Squid | 8,155,105 | ---- | ---- | 8,155,105 | ---- | 8,155,105 |
| Miscellaneous mollusk | 32 | ---- | ---- | 32 | ---- | 32 |
| Total pounds | 312,434,442 | 3,253,465 | 310,143,402 | 625,831,309 | 87,574,937 | 713,406,246 |

[1] For origin of shipments refer to Table 29.

## TABLE 31

### Monthly Landings and Shipments Into California During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings: | | | | | | | | | | | | | |
| Anchovy | 3,620,039 | 5,062,418 | 1,618,809 | 4,127,321 | 4,088,563 | 1,658,040 | 3,505,046 | 5,116,532 | 5,988,259 | 2,543,858 | 2,172,754 | 2,908,575 | 42,410,214 |
| Barracuda, California | 27,246 | 131,563 | 149,105 | 222,231 | 329,620 | 189,311 | 95,434 | 79,291 | 4,894 | 147,299 | 112,159 | 74,586 | 1,562,739 |
| Bonito | 364,181 | 18,356 | 3,324 | 575 | 77,647 | 36,495 | 211,388 | 75,034 | 110,683 | 479,604 | 419,898 | 521,875 | 2,319,060 |
| Cabezon | 1,805 | 414 | 1,323 | 889 | 91 | ---------- | 16 | ---------- | 361 | 41 | 897 | 375 | 6,212 |
| Cabrilla | ---------- | 40,720 | 20,022 | ---------- | 5,279 | 46,915 | 14,400 | ---------- | 4,967 | 7,698 | 5,291 | 10,255 | 155,547 |
| Carp | 29,160 | 35,081 | 67,276 | 106,440 | 53,924 | 38,679 | 22,321 | 13,170 | 31,445 | 48,102 | 37,869 | 22,749 | 506,216 |
| Croaker, white (Kingfish) | 33,672 | 61,340 | 80,329 | 250,195 | 189,343 | 40,185 | 50,304 | 73,891 | 35,160 | 45,074 | 33,379 | 20,930 | 913,802 |
| Dolphinfish, common | ---------- | ---------- | ---------- | ---------- | ---------- | 19 | ---------- | 220 | ---------- | ---------- | ---------- | ---------- | 239 |
| Flounder | 15,910 | 22,831 | 118,254 | 61,458 | 42,709 | 27,348 | 8,744 | 54,451 | 55,745 | 33,221 | 26,531 | 33,348 | 500,550 |
| Flyingfish | ---------- | ---------- | ---------- | ---------- | 1,250 | 8,724 | 2,361 | 1,201 | 21? | ---------- | ---------- | ---------- | 13,748 |
| Grouper | 81,237 | 127,179 | 67,834 | 28,269 | 6,867 | 8,944 | 3,258 | ---------- | 3,534 | 17,809 | 97,558 | 79,831 | 522,320 |
| Hake | 9,638 | 13,402 | 11,462 | 41,514 | 54,425 | 76,777 | 65,852 | 90,578 | 71,442 | 78,829 | 50,408 | 47,195 | 611,522 |
| Halfmoon | 2,513 | 5,513 | 4,785 | 5,577 | 6,849 | 2,270 | 6,494 | 3,529 | 3,537 | 2,898 | 1,786 | 4,256 | 50,007 |
| Halibut, California | 56,750 | 83,460 | 56,817 | 60,077 | 44,961 | 44,525 | 63,736 | 57,414 | 33,359 | 27,781 | 72,039 | 60,412 | 661,331 |
| Halibut, Pacific | 752 | 8,456 | 4,268 | 1,257 | 6,825 | 35 113 | 12,808 | 13,788 | 2,390 | 1,176 | 2,353 | 1,496 | 90,682 |
| Hardhead | 9,204 | 3,229 | 3,996 | 2,299 | 928 | 5 | 10 | 32 | 5,789 | 34,898 | 26,409 | 7,282 | 94,081 |
| Herring, Pacific | 238,518 | 187,723 | 32,603 | 23,190 | 75,010 | 129,460 | 92,064 | 75,800 | 1,102 | 13,350 | 3,508 | 39,578 | 911,906 |
| Lingcod | 16,824 | 30,349 | 72,092 | 59,027 | 101,591 | 140,557 | 136,707 | 135,296 | 112,202 | 65,179 | 41,717 | 35,802 | 947,343 |
| Mackerel, jack | 63,628 | 273,205 | 888,059 | 854,146 | 559,501 | 196,975 | 6,908,715 | 4,924,433 | 1,609,128 | 1,002 | 316,482 | 738,273 | 17,333,547 |
| Mackerel, Pacific | 95,366 | 21,609 | 767,897 | 626,552 | 377,337 | 288,932 | 3,229,408 | 4,403,219 | 5,035,929 | 1,055,525 | 6,629,789 | 2,861,041 | 25,392,604 |
| Midshipman | ---------- | ---------- | ---------- | ---------- | ---------- | ---------- | ---------- | ---------- | ---------- | ---------- | 2,865 | ---------- | 2,865 |
| Needlefish, California | ---------- | ---------- | ---------- | ---------- | ---------- | ---------- | ---------- | 200 | ---------- | ---------- | ---------- | ---------- | 200 |
| Opaleye | 508 | 470 | 360 | 960 | 2,923 | 919 | 431 | 569 | 460 | 730 | 194 | 543 | 9,067 |
| Perch | 4,294 | 7,496 | 16,459 | 39,032 | 130 | 145 | 18,774 | 9,060 | 6,174 | 3,333 | 6,194 | 7,408 | 118,499 |
| Pompano, California | ---------- | 505 | 423 | 3,998 | 9,931 | 1,351 | 1,945 | 20,826 | 3,782 | 1,312 | 100 | 429 | 44,602 |
| Ratfish | ---------- | ---------- | ---------- | ---------- | ---------- | 1,200 | 847 | 2,315 | ---------- | 200 | 800 | 5,925 | 11,287 |
| Rock bass | 1,125 | 632 | 692 | 14 | ---------- | 220 | 14 | ---------- | ---------- | 110 | ---------- | 336 | 3,143 |
| Rockfish | 1,056,214 | 1,110,445 | 1,716,736 | 1,093,281 | 1,081,386 | 1,123,928 | 782,518 | 807,592 | 906,788 | 1,251,612 | 1,044,998 | 665,231 | 12,640,729 |
| Sablefish | 177,984 | 165,389 | 220,370 | 234,434 | 130,196 | 203,751 | 198,493 | 266,140 | 202,607 | 273,230 | 169,197 | 115,740 | 2,357,531 |
| Salmon | 1,294 | 361 | 2,085 | 8,557 | 952,941 | 2,529,527 | 2,846,619 | 1,632,594 | 1,514,859 | ---------- | 2,694 | 7,093 | 9,498,624 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sanddab | 46,569 | 48,450 | 79,239 | 62,853 | 56,982 | 79,479 | 62,869 | 92,790 | 67,574 | 55,250 | 52,543 | 48,873 | 753,471 |
| Sardine | 636,731 | 78,054 | 71,144 | 101,973 | 189,103 | 303,214 | 515,828 | 847,893 | 1,794,874 | 58,202,337 | 57,677,770 | 16,085,096 | 136,504,017 |
| Sargo, California | | | | | | | | 2,040 | | | | | 2,040 |
| Sculpin | 3,344 | 6,398 | 7,822 | 14,246 | 6,572 | 29,366 | 24,138 | 24,639 | 4,298 | 441 | 792 | 12,241 | 134,297 |
| Sculpin, staghorn | 205 | 200 | 420 | 70 | | | | | 185 | 630 | 1,255 | 250 | 3,215 |
| Sea bass, black | 21,005 | 41,127 | 5,701 | 9,616 | 17,320 | 65,080 | 6,937 | 10,301 | 18,842 | 26,762 | 57,167 | 70,418 | 350,276 |
| Seabass, white | 11,276 | 31,828 | 15,398 | 43,993 | 91,591 | 102,657 | 102,317 | 351,518 | 190,894 | 94,151 | 104,773 | 65,715 | 1,206,111 |
| Shad | | | 18,463 | 219,886 | 496,897 | 2,235 | | | | | | | 737,481 |
| Shark | 19,787 | 37,311 | 37,045 | 44,299 | 62,045 | 56,718 | 69,049 | 170,259 | 118,329 | 73,835 | 40,492 | 41,168 | 770,337 |
| Sheep-head | 6,225 | 7,709 | 977 | 715 | 105 | 274 | 1,268 | 1,018 | 213 | 3,097 | 5,238 | 2,345 | 29,184 |
| Sierra | | 168 | | | | 42 | | | | 355 | | | 565 |
| Skate | 12,842 | 8,981 | 13,766 | 13,462 | 8,186 | 8,599 | 5,547 | 11,491 | 9,249 | 8,112 | 20,329 | 15,657 | 136,221 |
| Smelt | 47,718 | 33,368 | 74,658 | 92,181 | 51,369 | 45,605 | 50,125 | 72,651 | 54,418 | 47,255 | 25,238 | 14,023 | 608,609 |
| Sole | 1,152,798 | 892,740 | 1,517,142 | 1,657,063 | 2,259,587 | 2,145,293 | 1,613,676 | 2,181,543 | 2,158,767 | 1,784,027 | 1,040,499 | 1,329,044 | 19,732,179 |
| Splittail | | 301 | 215 | 60 | | | | | 170 | | | 36 | 782 |
| Swordfish | | | | | | 177 | 6,128 | 4,531 | 9,061 | 3,158 | | | 23,055 |
| Tuna, albacore | | | | 1,065 | 640 | 2,866 | 7,505,842 | 8,119,263 | 7,638,344 | 2,259,383 | 491,551 | 88,336 | 26,107,290 |
| Tuna, bluefin | 560,505 | 317,190 | 29,820 | 239,611 | 486,819 | 1,398,262 | 6,619,099 | 7,104,682 | 3,359,800 | 261,956 | 46,013 | 601,063 | 21,024,820 |
| Tuna, skipjack | 14,761,908 | 5,942,982 | 10,084,397 | 11,932,640 | 11,981,530 | 15,983,606 | 16,209,643 | 13,454,134 | 14,008,407 | 8,439,135 | 14,297,738 | 16,660,070 | 153,756,190 |
| Tuna, yellowfin | 11,964,293 | 9,283,323 | 5,933,907 | 11,100,241 | 11,407,796 | 15,129,479 | 15,936,495 | 9,563,273 | 8,608,342 | 3,993,410 | 7,858,097 | 8,623,139 | 119,401,795 |
| Turbot | 6,982 | 35,282 | 24,628 | 12,851 | 15,674 | 11,914 | 9,067 | 5,135 | 14,189 | 16,041 | 17,481 | 6,674 | 175,918 |
| Wahoo | | | | | 2,532 | | | | | | | 2,831 | 5,363 |
| Whitebait | 8,583 | 19,997 | 46,020 | 85,367 | 49,995 | 27,021 | 13,215 | 12,424 | 1,643 | 1,785 | 154 | 1,077 | 267,281 |
| Whitefish, ocean | 538 | 273 | 315 | 180 | | 200 | 175 | 584 | 68 | 485 | 650 | 166 | 3,634 |
| Yellowtail | 227,227 | 196,577 | 47,500 | 200,773 | 317,860 | 185,481 | 2,371 | 26,910 | 8,566 | 82,710 | 57,250 | 303,553 | 1,656,778 |
| Miscellaneous fish | 59 | 1,228 | 221 | 543 | 566 | 1,185 | 118 | 109 | 90 | 133 | 64 | | 4,316 |
| Crustacean: | | | | | | | | | | | | | |
| Crab | 1,742,699 | 1,063,686 | 761,920 | 509,858 | 302,445 | 113,201 | 99,331 | | | | 1,823,587 | 1,411,481 | 7,828,208 |
| Crab, rock | 2,932 | 2,243 | 1,595 | 764 | 458 | 1,055 | 640 | 4,398 | 4,336 | 5,372 | 8,204 | 7,061 | 39,058 |
| Lobster, spiny | 119,462 | 121,358 | 87,115 | | | | | | | 200,049 | 190,600 | 182,816 | 901,400 |
| Prawn | 821 | 411 | 264 | 19 | 143 | 35 | | 185 | 110 | 109 | 350 | 248 | 2,695 |
| Shrimp, bay | 22,899 | 7,969 | 38,321 | 26,266 | 71,260 | 80,605 | 149,440 | 209,851 | 91,540 | 1,596 | 13,131 | 31,890 | 744,768 |
| Shrimp, ocean | | | | | 51,567 | 50,846 | 88,166 | 98,459 | 7,759 | | | | 296,797 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 240,919 | | 303,554 | 906,131 | 459,776 | 321,018 | 295,331 | 366,055 | 284,999 | 302,496 | 190,344 | 428,902 | 4,099,525 |
| Clam, gaper | | 50 | 188 | 160 | 220 | 160 | 120 | 20 | | 40 | 80 | 60 | 1,098 |
| Clam, jackknife | 1,614 | 2,483 | 2,759 | 3,903 | 6,032 | 5,343 | 6,942 | 5,705 | 3,938 | 2,364 | 1,534 | 1,130 | 43,747 |
| Clam, Washington | 803 | 1,346 | 3,275 | 1,339 | 758 | 16 | | | 461 | 695 | 942 | 644 | 10,279 |
| Mussel | | | | | 50 | 100 | 172 | 144 | | | | | 466 |

TABLE 31—Continued

**Monthly Landings and Shipments Into California During 1954**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Octopus | 2,652 | 2,818 | 4,604 | 2,813 | 1,392 | 1,108 | 691 | 2,724 | 1,065 | 1,962 | 3,543 | 5,386 | 30,758 |
| Oyster, eastern | 10,659 | 10,673 | 11,115 | 12,017 | 8,041 | 8,130 | 7,759 | 8,703 | 7,325 | 14,246 | 12,617 | 13,643 | 124,928 |
| Oyster, native | | | | 70 | 1,735 | 2,160 | 1,440 | | | 156 | 180 | 306 | 6,047 |
| Oyster, Pacific | 18,484 | 24,676 | 36,300 | 42,327 | 18,009 | 13,176 | 14,685 | 14,350 | 27,093 | 44,211 | 69,127 | 138,182 | 460,620 |
| Snail, sea | 62 | 80 | | | | | | 124 | 70 | | | | 336 |
| Squid | 4,305 | 775,042 | 412,834 | 1,792,088 | 515,049 | 376,763 | 136,740 | 68,420 | 1,074,633 | 1,804,933 | 720,990 | 473,308 | 8,155,105 |
| Miscellaneous mollusk | | | | 22 | | | | | | | | 10 | 32 |
| Total pounds | 37,564,768 | 26,408,468 | 25,598,022 | 36,982,758 | 37,140,331 | 43,382,784 | 67,834,071 | 60,693,501 | 55,314,460 | 83,866,548 | 96,108,192 | 54,937,406 | 625,831,309 |
| Shipments[1] | | | | | | | | | | | | | |
| Barracuda, California | | | | | | | | 25,872 | | | | | 25,872 |
| Bonito | | | | | | | | | 2,346 | 1,555 | | | 3,901 |
| Cabrilla | | | | | 783 | | 3,727 | | | | | | 4,510 |
| Corvina, shortfin | | | | | 113 | | | | | | | | 113 |
| Halibut, California | | | | 808 | | | | | | | | | 808 |
| Halibut, Pacific | 10,637 | 50 | | | | 3,000 | | | 2,116 | 3,000 | | 2,000 | 20,803 |
| Rockfish | | | | | | | 673 | 5,451 | 3,688 | | | | 9,812 |
| Sablefish | 32,127 | 812 | 78,963 | 33,805 | 22,261 | 13,628 | 27,687 | 37,643 | 102,911 | 35,645 | 61,905 | | 447,387 |
| Salmon | 135,029 | 83,876 | 71,214 | 93,099 | 2,764 | 1,000 | 48,230 | 19,500 | 51,875 | 14,041 | 37,197 | 38,209 | 596,034 |
| Sardine | 2,000 | 1,300 | 2,000 | 250 | 200 | | | | | | | | 5,750 |
| Sea bass, black | | | | | 1,706 | | 38,387 | 10,078 | 714 | 5,120 | | 3,372 | 59,377 |
| Seabass, white | | | | | | | | 440 | | | | | 440 |
| Shark | | | | | | | | | | 415 | | 340 | 755 |
| Tuna, albacore | 1,606,452 | 3,431,583 | 2,282,560 | 2,836,694 | 4,251,323 | 2,279,008 | 7,160,344 | 6,529,307 | 2,915,210 | 1,218,464 | 1,485,623 | 2,469,815 | 38,466,383 |
| Tuna, bigeye | 85,299 | | | | 78,445 | 77,532 | 187,648 | 614,546 | 116,843 | 57,119 | | 32,505 | 1,249,937 |
| Tuna, bluefin | | | | | | 152,118 | 220,640 | 72,607 | | 5,660 | | 187,261 | 638,286 |
| Tuna, oriental | | | | | 60,977 | | | | | | | 71,884 | 132,861 |
| Tuna, skipjack | 661,189 | 380,753 | 767,709 | 693,133 | 1,833,870 | 1,937,625 | 1,578,263 | 2,784,837 | 502,264 | 21,000 | 1,733,711 | 2,813,402 | 15,707,756 |
| Tuna, yellowfin | 1,629,448 | 1,892,987 | 2,360,327 | 3,046,563 | 5,346,490 | 4,204,542 | 1,904,115 | 3 950,410 | 914,304 | 1,229,038 | 833,546 | 2,390,128 | 29,701,898 |
| Yellowtail | | | | | | 12,082 | | 1,405 | 200 | 265 | | | 13,952 |
| Miscellaneous fish | | 205 | | 600 | | 13,325 | 38,265 | | 16,440 | 62,589 | | 730 | 132,154 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crustacean: | | | | | | | | | | | | | |
| Shrimp | | | | | 100 | | | | | | | | 100 |
| Mollusk: | | | | | | | | | | | | | |
| Clam, Pismo | | 172,152 | 183,896 | | | | | | | | | | 356,048 |
| Total pounds | 4,162,181 | 5,963,718 | 5,746,669 | 6,704,952 | 11,599,032 | 8,693,860 | 11,207,979 | 14,052,096 | 4,628,911 | 2,653,911 | 4,151,982 | 8,009,646 | 87,574,937 |
| Grand total fishing boat landings and shipments | 41,726,949 | 32,372,186 | 31,344,691 | 43,687,710 | 48,739,363 | 52,076,644 | 79,042,050 | 74,745,597 | 59,943,371 | 86,520,459 | 100,260,174 | 62,947,052 | 713,406,246 |

[1] For origin of shipments see Table 29.

## TABLE 32

### Monthly Landings of the Commercial Fishing Boats in the Eureka Region During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | | | | | | | | 719 | 715 | | | | 1,434 |
| Flounder | 975 | 279 | 77,630 | 25,194 | 15,341 | 4,959 | 5,125 | 33,897 | 29,882 | 17,847 | 6,008 | 1,511 | 218,648 |
| Hake | 4,418 | 12,727 | 3,552 | 10,107 | 10,300 | 38,366 | 33,687 | 46,673 | 53,132 | 74,575 | 25,261 | 32,745 | 345,543 |
| Halibut, Pacific | | | | | 6,416 | 34,477 | 11,528 | 12,364 | 791 | 70 | | | 65,646 |
| Herring, Pacific | | 1,398 | | | | | | | | | | 3,890 | 5,288 |
| Lingcod | 1,977 | 4,492 | 23,392 | 24,852 | 61,110 | 101,993 | 93,407 | 93,501 | 76,391 | 39,097 | 8,174 | 1,198 | 529,584 |
| Mackerel, jack | | | | | | | | | 270 | | | | 270 |
| Perch | 1,383 | 1,681 | 9,901 | 14,518 | | | 11,172 | 4,098 | 3,749 | 934 | 2,254 | 2,332 | 52,022 |
| Rockfish | 50,749 | 226,569 | 517,091 | 181,558 | 273,752 | 325,240 | 215,350 | 308,771 | 260,325 | 283,146 | 109,973 | 31,359 | 2,783,883 |
| Sablefish | 20,220 | 32,012 | 92,829 | 116,074 | 92,822 | 120,975 | 127,436 | 209,379 | 143,589 | 166,780 | 68,425 | 25,960 | 1,216,501 |
| Salmon | | | | | 445,373 | 1,240,853 | 1,036,535 | 855,991 | 348,738 | | | | 3,927,490 |
| Sanddab | 3,150 | 7,327 | 9,799 | 7,306 | 18,608 | 32,901 | 26,326 | 19,087 | 14,615 | 10,924 | 4,715 | 556 | 155,314 |
| Shark | 19 | 83 | | 1,261 | 173 | 1,234 | 296 | | | 1,563 | 239 | | 4,868 |
| Skate | 3,152 | | 273 | | | | | | | | 600 | | 4,025 |
| Smelt | | 565 | 2,276 | 12,936 | 7,612 | 6,386 | 3,288 | 5,172 | 3,399 | 607 | 180 | 50 | 42,471 |
| Sole | 282,981 | 263,581 | 494,128 | 632,454 | 1,282,325 | 1,360,693 | 1,152,340 | 1,481,046 | 1,464,132 | 1,249,878 | 478,809 | 574,769 | 10,717,136 |
| Tuna, albacore | | | | | | | | 136,594 | 202,114 | 9,279 | 8,186 | | 356,173 |
| Turbot | 3,031 | 28,515 | 9,492 | 5,972 | 10,838 | 6,711 | 3,374 | 169 | 1,970 | 2,080 | 995 | 97 | 73,244 |
| Whitebait | 961 | 2,877 | 11,575 | 24,985 | 25,268 | 14,986 | 10,774 | 12,424 | 157 | | | | 104,007 |
| Miscellaneous fish | | 836 | | | | 4 | 63 | 6 | 23 | 100 | 45 | | 1,077 |
| Crustacean: | | | | | | | | | | | | | |
| Crab | 1,364,741 | 888,708 | 702,863 | 439,105 | 253,861 | 20,649 | 15,332 | | | | | 57,520 | 3,742,779 |
| Shrimp, ocean | | | | | 44,230 | 42,671 | 50,855 | 31,125 | | | | | 168,881 |
| Mollusk: | | | | | | | | | | | | | |
| Clam, Washington | 779 | 1,346 | 3,251 | 1,315 | 734 | | | | 461 | 695 | 942 | 644 | 10,167 |
| Octopus | | 160 | 490 | 50 | 230 | 345 | 247 | 242 | | | | | 1,764 |
| Total pounds | 1,738,536 | 1,473,156 | 1,958,542 | 1,497,687 | 2,548,993 | 3,353,443 | 2,797,135 | 3,251,258 | 2,604,453 | 1,857,575 | 714,806 | 732,631 | 24,528,215 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from waters north of the state boundary: | | | | | | | | | | | | | |
| Flounder | | | 3,339 | 295 | 13,763 | 24 | | 706 | 1,756 | 513 | 1,450 | | 21,846 |
| Hake | | | 4,000 | 6,457 | 15,787 | 5,000 | 14,106 | 11,881 | 5,535 | 2,029 | 12,332 | 6,500 | 83,627 |
| Lingcod | | | 614 | 2,489 | 10,865 | 5,404 | 4,519 | 9,865 | 13,573 | 4,223 | 676 | 20 | 52,248 |
| Rockfish | 64 | | 82,369 | 27,505 | 59,461 | 79,079 | 27,758 | 58,472 | 36,472 | 26,616 | 11,252 | 278 | 409,326 |
| Sablefish | 122 | | 6,078 | 6,696 | 7,586 | 17,788 | 15,714 | 9,492 | 5,231 | 11,034 | 3,938 | 4,589 | 88,268 |
| Salmon | | | | | | 77 | 1,186 | 38 | 150 | | | | 1,451 |
| Sanddab | | | 280 | 468 | | 53 | 366 | 2,212 | 321 | | | | 3,700 |
| Sole | 1,736 | | 115,237 | 291,829 | 574,014 | 479,253 | 203,911 | 305,190 | 210,287 | 147,320 | 93,920 | 149,039 | 2,571,736 |
| Turbot | | | 8,783 | 850 | 355 | | 4,577 | | | | | | 14,565 |
| Miscellaneous fish | | | | | | | | | 43 | | | | 43 |
| Crustacean: | | | | | | | | | | | | | |
| Shrimp, ocean | | | | | 4,190 | 2,465 | | | | | | | 6,655 |
| Total pounds | 1,922 | | 220,700 | 336,589 | 686,021 | 589,143 | 272,137 | 397,856 | 273,368 | 191,735 | 123,568 | 160,426 | 3,253,465 |
| Grand totals, Eureka region | 1,740,458 | 1,473,156 | 2,179,242 | 1,834,276 | 3,235,014 | 3,942,586 | 3,069,272 | 3,649,114 | 2,877,821 | 2,049,310 | 838,374 | 893,057 | 27,781,680 |

## TABLE 33

### Monthly Landings of the Commercial Fishing Boats in the Sacramento Region During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Carp | 29,160 | 34,781 | 67,132 | 106,390 | 53,924 | 38,679 | 21,917 | 13,170 | 31,445 | 48,102 | 37,869 | 21,862 | 504,431 |
| Flounder | 200 | 73 | | | | | | | | | | | 273 |
| Hardhead | 8,894 | 2,919 | 3,550 | 2,209 | 928 | 5 | 10 | 32 | 5,789 | 34,898 | 26,409 | 7,282 | 92,925 |
| Salmon | 1,294 | 361 | 2,085 | 8,539 | 14,591 | 4,533 | | 65,672 | 794,099 | | 2,694 | 7,093 | 900,961 |
| Shad | | | 18,463 | 219,886 | 496,897 | 2,235 | | | | | | | 737,481 |
| Splittail | | 301 | 215 | 60 | | | | | 170 | | | 36 | 782 |
| Miscellaneous fish | | | | | | | | | | 20 | | | 20 |
| Total pounds, Sacramento region | 39,548 | 38,435 | 91,445 | 337,084 | 566,340 | 45,452 | 21,927 | 78,874 | 831,503 | 83,020 | 66,972 | 36,273 | 2,236,873 |

## TABLE 34

### Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 2,420 | | | 7,280 | 21,340 | 43,909 | 49,125 | 41,300 | 34,965 | 56,220 | 5,200 | | 261,759 |
| Cabezon | | | | 385 | | | | | 333 | | 40 | | 758 |
| Carp | | 300 | 144 | 50 | | | | | | | | | 494 |
| Croaker, white (Kingfish) | 13 | 72 | 174 | 351 | 91 | 155 | 4,016 | 973 | 105 | 10 | | 110 | 6,070 |
| Flounder | 2,096 | 12,455 | 28,499 | 25,941 | 12,147 | 20,863 | 2,206 | 17,524 | 23,753 | 12,324 | 13,934 | 18,842 | 190,584 |
| Hake | 5,220 | 675 | | | | 125 | | 1,550 | 8,535 | 1,000 | | | 17,105 |
| Halibut, California | 83 | 940 | 474 | 140 | 46 | 71 | 142 | 158 | 178 | 123 | 261 | 166 | 2,782 |
| Halibut, Pacific | 752 | 8,456 | 4,268 | 1,257 | 409 | 636 | 1,280 | 1,424 | 1,599 | 1,106 | 2,353 | 1,496 | 25,036 |
| Hardhead | 310 | 310 | 446 | 90 | | | | | | | | | 1,156 |
| Herring, Pacific | 238,518 | 171,340 | 25,953 | | 200 | | | | | | 3,462 | 35,688 | 475,161 |
| Lingcod | 6,929 | 21,658 | 36,520 | 20,740 | 21,901 | 22,612 | 26,955 | 21,423 | 13,859 | 11,129 | 22,725 | 9,293 | 235,744 |
| Perch | 1,306 | 1,991 | 5,008 | 13,193 | 100 | | 6,607 | 4,232 | 242 | 983 | 839 | 669 | 35,170 |
| Rockfish | 478,415 | 340,811 | 394,678 | 241,789 | 113,141 | 140,893 | 96,044 | 84,368 | 208,991 | 337,600 | 359,896 | 187,801 | 2,984,427 |
| Sablefish | 61,530 | 45,344 | 77,225 | 52,088 | 10,508 | 31,649 | 13,235 | 21,770 | 7,708 | 24,588 | 25,082 | 27,461 | 398,188 |
| Salmon | | | | | 223,105 | 901,257 | 1,340,259 | 560,831 | 354,730 | | | | 3,380,182 |
| Sanddab | 37,106 | 34,328 | 54,191 | 25,933 | 11,065 | 28,744 | 14,251 | 33,946 | 39,082 | 32,512 | 38,504 | 39,797 | 389,459 |
| Sculpin, staghorn | 205 | 200 | 420 | 70 | | | | | 185 | 630 | 1,255 | 250 | 3,215 |
| Seabass, white | 28 | | | 95 | 65 | | | 31 | 6,952 | 3,741 | 511 | | 11,423 |
| Shark | 1,064 | 2,548 | 1,612 | 3,525 | 468 | 1,224 | 2,411 | 5,930 | 11,175 | 17,181 | 1,095 | 2,037 | 50,270 |
| Skate | 3,620 | 4,960 | 9,529 | 10,745 | 4,290 | 5,375 | 3,270 | 9,640 | 7,622 | 5,520 | 10,722 | 14,358 | 89,651 |
| Smelt | 9,439 | 16,968 | 50,544 | 62,739 | 22,995 | 25,051 | 13,245 | 25,703 | 29,499 | 25,230 | 7,496 | 6,532 | 295,441 |
| Sole | 706,781 | 440,734 | 698,602 | 479,114 | 207,712 | 210,004 | 201,257 | 316,396 | 394,190 | 307,465 | 385,008 | 446,730 | 4,793,993 |
| Tuna, albacore | | | | | | | 1,592 | 545,504 | 476,405 | 137,820 | 20,243 | | 1,181,564 |
| Turbot | 1,467 | 2,767 | 2,924 | 4,119 | 3,455 | 4,840 | 1,116 | 4,966 | 12,219 | 13,388 | 15,567 | 3,379 | 70,207 |
| Whitebait | 6,647 | 14,136 | 9,560 | 8,991 | 7,705 | 7,816 | 1,403 | | | | | 335 | 56,593 |
| Miscellaneous fish | | 12 | 78 | 70 | | 34 | | 53 | 24 | | | | 271 |

TABLE 34—Continued

**Monthly Landings and Shipments of Commercial Fish Into the San Francisco Region During 1954**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crustacean: | | | | | | | | | | | | | |
| Crab | 373,926 | 166,130 | 40,416 | 50,958 | 39,302 | 91,686 | 83,228 | | | | 1,822,757 | 1,352,122 | 4,020,525 |
| Shrimp, bay | 22,899 | 7,969 | 38,321 | 26,266 | 71,260 | 80,605 | 149,440 | 209,851 | 91,540 | 1,596 | 13,131 | 31,890 | 744,768 |
| Shrimp, ocean | | | | | | 3,936 | 37,311 | 63,745 | 7,759 | | | | 112,751 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 2,900 | | | | 3,950 | 550 | | 5,823 | 330 | | | | 13,553 |
| Clam, Washington | 24 | | 24 | 24 | 24 | 16 | | | | | | | 112 |
| Octopus | 207 | 242 | 834 | 633 | 340 | 717 | 303 | 1,470 | 468 | 191 | 1,304 | 2,404 | 9,113 |
| Oyster, eastern | 10,659 | 10,673 | 11,115 | 12,017 | 8,041 | 8,130 | 7,759 | 8,703 | 7,325 | 14,246 | 12,617 | 13,643 | 124,928 |
| Oyster, native | | | | 70 | 1,735 | 2,160 | 1,440 | | | 156 | 180 | 306 | 6,047 |
| Oyster, Pacific | 18,067 | 20,784 | 15,114 | 17,377 | 10,019 | 7,549 | 6,235 | 6,600 | 9,163 | 12,561 | 12,457 | 13,175 | 149,101 |
| Squid | | | | | | | | 2,180 | 750 | | | | 2,930 |
| Total pounds | 1,992,631 | 1,326,803 | 1,506,673 | 1,066,050 | 795,414 | 1,640,607 | 2,064,130 | 1,996,094 | 1,749,686 | 1,017,320 | 2,776,639 | 2,208,484 | 20,140,531 |
| Shipments:[1] | | | | | | | | | | | | | |
| Halibut, Pacific | 10,637 | 50 | | | | 3,000 | | | 2,116 | 3,000 | | 2,000 | 20,803 |
| Sablefish | 26,823 | | 36,520 | 32,740 | 12,964 | 3,725 | 20,687 | 13,343 | 13,931 | 2,065 | 22,438 | | 185,236 |
| Salmon | 209 | 10,597 | 21,071 | 8,632 | | | | | 48,116 | | | 2,000 | 90,625 |
| Sardine | 2,000 | 1,300 | 2,000 | 250 | 200 | | | | | | | | 5,750 |
| Tuna, albacore | 170,472 | 387,062 | 933,464 | 671,351 | 728,156 | 694,367 | 218,874 | 405,412 | 440,380 | 187,222 | 37,890 | 158,159 | 5,032,809 |
| Tuna, bigeye | 44,000 | | | | | 39,777 | | | | | | 10,009 | 93,786 |
| Tuna, skipjack | | 79,561 | 59,487 | | | | | | | 21,000 | | | 160,048 |
| Tuna, yellowfin | 98,650 | 347,143 | 753,333 | 226,172 | 509,475 | 400,311 | 279,565 | 252,877 | 108,605 | 691,806 | 390,349 | 310,021 | 4,368,307 |
| Miscellaneous fish | | | | 600 | | | | | | | | 630 | 1,230 |
| Total pounds | 352,791 | 825,713 | 1,865,875 | 939,745 | 1,250,795 | 1,141,180 | 519,126 | 671,632 | 613,148 | 905,093 | 450,677 | 482,819 | 9,958,594 |
| Grand totals, San Francisco region | 2,345,422 | 2,152,516 | 3,312,548 | 2,005,795 | 2,046,209 | 2,781,787 | 2,583,256 | 2,667,726 | 2,362,834 | 1,922,413 | 3,227,316 | 2,691,303 | 30,099,125 |

[1] See Table 29 for origin of shipments.

## TABLE 35

### Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 2,470 | | | 138,495 | | 500 | | 56,060 | 1,750 | 5,900 | | 40,000 | 245,175 |
| Cabezon | 1,781 | 371 | 1,253 | 494 | 10 | | 16 | | 28 | 18 | 857 | 375 | 5,203 |
| Croaker, white (Kingfish) | 15,542 | 22,470 | 9,319 | 7,921 | 32,108 | 16,709 | 27,902 | 54,361 | 23,445 | 35,543 | 21,141 | 5,311 | 271,772 |
| Flounder | 10,705 | 6,111 | 6,055 | 8,182 | 583 | 1,302 | 1,413 | 2,324 | 339 | 1,989 | 4,678 | 10,432 | 54,113 |
| Hake | | | 3,910 | 24,950 | 28,338 | 33,286 | 18,059 | 30,474 | 4,240 | 1,225 | 12,815 | 7,950 | 165,247 |
| Halibut, California | 3,350 | 3,328 | 1,480 | 771 | 208 | 6,121 | 7,229 | 6,203 | 535 | 109 | 3,929 | 8,083 | 41,346 |
| Herring, Pacific | | 14,048 | 6,650 | 23,190 | 74,810 | 129,460 | 91,445 | 75,800 | 1,102 | 13,350 | 46 | | 429,901 |
| Lingcod | 7,592 | 3,349 | 9,851 | 8,758 | 5,149 | 8,676 | 9,876 | 9,115 | 5,014 | 6,429 | 7,746 | 23,039 | 104,594 |
| Mackerel, jack | 100 | | 176,785 | 1,845 | 10,489 | 2,835 | 37,028 | 4,701,195 | 1,314,730 | 397 | 100 | | 6,245,504 |
| Mackerel, Pacific | | | | | 150 | | 774 | 3,315 | | | | | 4,239 |
| Needlefish, California | | | | | | | | 200 | | | | | 200 |
| Perch | 405 | 641 | 647 | 11,208 | | 145 | 975 | 712 | 1,700 | 468 | 394 | 1,300 | 18,595 |
| Pompano, California | | 11 | | 1,387 | 9,606 | 298 | 1,108 | 20,504 | 3,370 | 1,139 | 34 | 1 | 37,458 |
| Ratfish | | | | | | 1,200 | 847 | 2,315 | | 200 | 800 | 5,925 | 11,287 |
| Rockfish | 418,373 | 412,518 | 565,413 | 459,994 | 481,100 | 471,889 | 398,099 | 324,465 | 354,089 | 485,735 | 444,423 | 361,658 | 5,177,756 |
| Sablefish | 92,657 | 84,690 | 41,398 | 59,105 | 18,141 | 33,144 | 42,101 | 25,473 | 44,887 | 66,447 | 71,184 | 51,825 | 631,052 |
| Salmon | | | | | 196,779 | 236,933 | 409,221 | 114,294 | 17,076 | | | | 974,303 |
| Sanddab | 4,497 | 4,694 | 11,904 | 25,357 | 23,816 | 14,590 | 20,286 | 35,644 | 10,272 | 7,732 | 5,515 | 6,970 | 171,277 |
| Sardine | | | | | | 495 | 3,693 | 6,693 | 815 | | 3 | | 11,699 |
| Seabass, white | 330 | | 39 | 37 | 33 | 42 | 93 | 396 | | 197 | 717 | 2,788 | 4,672 |
| Shark | 2,465 | 2,034 | 18,275 | 749 | 3,903 | 1,117 | 3,540 | 3,186 | 192 | 2,739 | 8,147 | 4,563 | 50,910 |
| Skate | 592 | 606 | 975 | 1,020 | 3,258 | 2,584 | 2,145 | 1,851 | 1,417 | 940 | 1,732 | 635 | 17,755 |
| Smelt | 9,884 | 5,161 | 1,140 | 6,700 | 11,111 | 12,552 | 30,656 | 40,664 | 17,541 | 15,890 | 12,552 | 5,309 | 169,160 |
| Sole | 69,705 | 102,026 | 73,215 | 103,622 | 88,530 | 43,826 | 42,835 | 62,026 | 64,873 | 47,002 | 35,026 | 61,478 | 794,164 |
| Swordfish | | | | | | | | | 350 | 303 | | | 653 |
| Tuna, albacore | | | | | | | 2,952 | 541,564 | 2,069,484 | 690,131 | 210,166 | 4,781 | 3,519,078 |
| Turbot | 571 | 90 | 532 | 632 | | 95 | | | | | | 300 | 2,220 |
| Whitebait | 975 | 2,984 | 24,885 | 51,391 | 17,022 | 4,219 | 1,038 | | 1,486 | 1,785 | 154 | 742 | 106,681 |
| Miscellaneous fish | 35 | | 42 | | | | | | | | | | 77 |

## TABLE 35—Continued

### Monthly Landings and Shipments of Commercial Fish Into the Monterey Region During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Crustacean: | | | | | | | | | | | | | |
| Crab | 1,725 | 3,314 | 1,553 | 218 | 6 | 575 | 205 | | | | 596 | 1,043 | 9,235 |
| Prawn | 821 | 411 | 264 | 19 | 97 | | | 51 | 110 | 109 | 350 | 248 | 2,480 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 1,000 | | | | | | | | | | | | 1,000 |
| Clam, gaper | | 50 | 188 | 160 | 220 | 160 | 120 | 20 | | 40 | 80 | 60 | 1,098 |
| Octopus | 2,410 | 2,298 | 2,953 | 1,785 | 505 | 31 | 141 | 1,012 | 575 | 1,353 | 1,591 | 2,854 | 17,508 |
| Squid | 220 | 214,990 | 412,790 | 1,792,088 | 508,430 | 328,145 | 109,665 | 65,090 | 1,073,883 | 1,804,933 | 720,465 | 444,293 | 7,474,992 |
| Miscellaneous mollusk | | | | 22 | | | | | | | | 10 | 32 |
| Total pounds | 648,205 | 886,195 | 1,371,516 | 2,730,100 | 1,514,402 | 1,350,929 | 1,263,462 | 6,185,007 | 5,013,303 | 3,192,103 | 1,565,241 | 1,051,973 | 26,772,436 |
| Shipments:[1] | | | | | | | | | | | | | |
| Tuna, albacore | | | | | 2,640 | | | | | | | | 2,640 |
| Tuna, skipjack | | 154,001 | 136,769 | 143,340 | | | | | | | | | 434,110 |
| Tuna, yellowfin | 140,127 | 140,971 | 482,087 | 286,341 | 99,809 | | | | | | | | 1,149,335 |
| Crustacean: | | | | | | | | | | | | | |
| Shrimp | | | | | 100 | | | | | | | | 100 |
| Total pounds | 140,127 | 294,972 | 618,856 | 429,681 | 102,549 | | | | | | | | 1,586,185 |
| Grand totals, Monterey region | 788,332 | 1,181,167 | 1,990,372 | 3,159,781 | 1,616,951 | 1,350,929 | 1,263,462 | 6,185,007 | 5,013,303 | 3,192,103 | 1,565,241 | 1,051,973 | 28,358,621 |

[1] See Table 29 for origin of shipments.

## TABLE 36

### Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 1,720,380 | 918,943 | 654,450 | 1,415,600 | 1,043,530 | 446,900 | 1,448,739 | 3,572,873 | 2,991,690 | 1,143,277 | 1,039,360 | 411,650 | 16,807,392 |
| Barracuda, California | | | | | | | | | | | 4,268 | | 4,268 |
| Bonito | | | | | | | | 2,445 | | | | | 2,445 |
| Cabezon | 24 | 43 | 70 | 10 | 81 | | | | | 23 | | | 251 |
| Croaker, white (Kingfish) | | 2,530 | | | | 50 | | | 206 | 967 | 1,542 | 35 | 5,330 |
| Flounder | 1,934 | 3,913 | 2,731 | 1,846 | 875 | 200 | | | 15 | 548 | 461 | 2,563 | 15,086 |
| Halibut, California | 24,742 | 23,925 | 12,834 | 27,972 | 19,832 | 19,299 | 11,936 | 3,294 | 7,110 | 8,632 | 13,172 | 20,368 | 193,116 |
| Herring, Pacific | | 937 | | | | | 619 | | | | | | 1,556 |
| Lingcod | 326 | 740 | 1,715 | 2,188 | 2,438 | 1,872 | 1,938 | 1,334 | 3,365 | 4,233 | 2,380 | 2,222 | 24,751 |
| Mackerel, jack | | 208,650 | 614,410 | 664,102 | 375,803 | 24,000 | 57,233 | 21,470 | 120 | 295 | 191,470 | 604,870 | 2,762,423 |
| Mackerel, Pacific | | | 15,150 | | | | 97,724 | 376,975 | 128,984 | 7,000 | 689,852 | 334,600 | 1,650,285 |
| Midshipman | | | | | | | | | | | 2,865 | | 2,865 |
| Perch | 1,200 | 3,183 | 903 | 113 | 30 | | 20 | 18 | 483 | 948 | 2,707 | 3,107 | 12,712 |
| Pompano, California | | | | | | | 330 | | | | 49 | | 379 |
| Rockfish | 53,250 | 48,021 | 67,193 | 86,751 | 95,515 | 27,324 | 19,070 | 11,806 | 14,673 | 80,137 | 44,177 | 32,093 | 580,010 |
| Sablefish | 3,455 | 3,296 | 2,461 | 303 | 970 | 195 | | | | 4,142 | 545 | 5,905 | 21,272 |
| Salmon | | | | | 73,083 | 138,490 | 59,418 | 35,768 | 66 | | | | 306,825 |
| Sanddab | 246 | 502 | 1,146 | 730 | 1,128 | 890 | 333 | 257 | 198 | 393 | 1,614 | 261 | 7,698 |
| Sardine | | | | | | 25,500 | 253,899 | 462,400 | 1,360,800 | 17,932,830 | 4,024,858 | 373,030 | 24,433,317 |
| Sea bass, black | | | | | 77 | 200 | 135 | | | | 308 | | 720 |
| Seabass, white | 239 | 582 | 1,476 | 6,574 | 4,757 | 11,712 | 10,146 | 5,619 | 15,254 | 1,083 | 16,076 | 2,713 | 76,231 |
| Shark | 1,804 | 21,591 | 2,209 | 6,870 | 6,070 | 21,690 | 53,266 | 142,155 | 94,850 | 31,804 | 7,557 | 2,002 | 391,868 |
| Sheep-head | 1,510 | 3,683 | 265 | | 30 | 218 | 285 | | | 1,750 | 3,440 | 693 | 11,874 |
| Skate | 4,802 | 3,151 | 2,799 | 1,049 | 200 | | | | | 1,278 | 6,887 | 664 | 20,830 |
| Smelt | 38 | 950 | | | 67 | | 329 | | 179 | 2,393 | 2,540 | 828 | 7,324 |

TABLE 36—Continued

**Monthly Landings and Shipments of Commercial Fish Into the Santa Barbara Region During 1954**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sole | 91,415 | 86,038 | 135,746 | 149,615 | 106,170 | 51,436 | 13,215 | 16,885 | 25,285 | 32,332 | 47,736 | 97,028 | 852,901 |
| Swordfish | | | | | | | | | 300 | | | | 300 |
| Tuna, albacore | | | | | | | 488 | 348,769 | 397,293 | 43,317 | 16,185 | 5,398 | 811,450 |
| Tuna, bluefin | | | | | 6,528 | 56,765 | 24,297 | 2,222 | 18,140 | | | | 107,952 |
| Turbot | 1,913 | 3,910 | 2,897 | 1,278 | 1,026 | 268 | | | | 573 | 919 | 2,898 | 15,682 |
| Miscellaneous fish | 24 | 250 | 85 | 435 | 57 | 212 | | | | 13 | 19 | | 1,095 |
| Crustacean: | | | | | | | | | | | | | |
| Crab | 2,307 | 5,534 | 17,088 | 19,577 | 9,276 | 291 | 566 | | | | 234 | 796 | 55,669 |
| Crab, rock | | | | | | | | | | 612 | 796 | 400 | 1,808 |
| Lobster, spiny | 40,900 | 49,734 | 33,564 | | | | | | | 35,148 | 46,502 | 53,400 | 259,248 |
| Prawn | | | | | 46 | 35 | | 134 | | | | | 215 |
| Shrimp, ocean | | | | | 3,147 | 1,774 | | 3,589 | | | | | 8,510 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 86,042 | | 87,067 | 260,355 | 121,615 | 72,371 | 229,535 | 257,825 | 167,827 | 62,440 | 65,936 | 122,953 | 1,533,966 |
| Octopus | 35 | 118 | 207 | 107 | 116 | 15 | | | | 93 | 125 | 128 | 944 |
| Oyster, Pacific | 417 | 3,892 | 21,186 | 24,950 | 7,990 | 5,627 | 8,450 | 7,750 | 17,930 | 31,650 | 56,670 | 125,007 | 311,519 |
| Squid | | | | | | | | | | | 200 | | 200 |
| Total pounds | 2,037,003 | 1,394,116 | 1,677,652 | 2,670,425 | 1,880,457 | 907,334 | 2,291,971 | 5,273,588 | 5,244,768 | 19,427,911 | 6,291,450 | 2,205,612 | 51,302,287 |
| Shipments:[1] | | | | | | | | | | | | | |
| Tuna, bigeye | | | | | | | | | 46,455 | | | 22,496 | 68,951 |
| Tuna, yellowfin | | | | | | | | | 4,700 | 45,300 | | | 50,000 |
| Total pounds | | | | | | | | | 51,155 | 45,300 | | 22,496 | 118,951 |
| Grand totals, Santa Barbara region | 2,037,003 | 1,394,116 | 1,677,652 | 2,670,425 | 1,880,457 | 907,334 | 2,291,971 | 5,273,588 | 5,295,923 | 19,473,211 | 6,291,450 | 2,228,108 | 51,421,238 |

[1] See Table 29 for origin of shipments.

## TABLE 37

### Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | 1,894,769 | 4,143,475 | 964,200 | 2,565,946 | 3,023,693 | 1,166,731 | 2,007,182 | 1,445,580 | 2,959,139 | 1,338,461 | 1,125,944 | 2,456,925 | 25,092,045 |
| Barracuda, California | 7,124 | 3,307 | 218 | 5,808 | 58,652 | 62,865 | 19,593 | 18,651 | 1,031 | 8,441 | | | 185,690 |
| Bonito | | | | | 84 | 131 | 473 | 2,441 | 251 | 1,151 | 2,856 | 42,220 | 49,607 |
| Carp | | | | | | | 404 | | | | | 287 | 691 |
| Croaker, white (Kingfish) | 17,167 | 36,054 | 69,366 | 241,923 | 157,144 | 21,805 | 15,151 | 9,311 | 8,679 | 7,538 | 10,318 | 14,949 | 609,405 |
| Flyingfish | | | | | 1,250 | 8,724 | 2,361 | 1,201 | 212 | | | | 13,748 |
| Halfmoon | 2,513 | 5,513 | 4,785 | 5,577 | 6,849 | 2,270 | 6,494 | 3,529 | 3,537 | 2,498 | 1,581 | 4,256 | 49,402 |
| Halibut, California | 5,819 | 23,153 | 33,184 | 18,204 | 12,051 | 6,964 | 9,394 | 9,067 | 5,974 | 6,635 | 4,540 | 3,685 | 138,670 |
| Lingcod | | 29 | | | | | 12 | 58 | | 50 | 16 | 10 | 175 |
| Mackerel, jack | 63,528 | 64,555 | 96,864 | 188,199 | 173,209 | 170,140 | 6,814,454 | 201,768 | 294,008 | 310 | 124,912 | 123,803 | 8,315,750 |
| Mackerel, Pacific | 95,366 | 21,609 | 752,747 | 626,552 | 377,187 | 270,237 | 2,966,984 | 3,991,778 | 4,866,072 | 1,005,672 | 5,908,747 | 2,141,426 | 23,024,377 |
| Opaleye | 508 | 470 | 360 | 960 | 2,923 | 759 | 431 | 569 | 460 | 694 | 194 | 543 | 8,871 |
| Pompano, California | | 494 | 423 | 2,611 | 325 | 1,053 | 507 | 322 | 412 | 173 | 17 | 428 | 6,765 |
| Rockfish | 52,508 | 65,130 | 68,371 | 81,795 | 52,383 | 73,343 | 10,065 | 15,196 | 30,564 | 31,010 | 22,914 | 41,751 | 545,030 |
| Sablefish | | 47 | 61 | 168 | 169 | | 7 | 26 | 1,192 | 239 | 23 | | 1,932 |
| Salmon | | | | 18 | 10 | 6,537 | | | | | | | 6,565 |
| Sanddab | 1,570 | 1,599 | 1,919 | 2,883 | 2,365 | 2,268 | 1,197 | 1,644 | 2,946 | 3,689 | 2,195 | 1,289 | 25,564 |
| Sardine | 636,731 | 78,054 | 71,144 | 101,973 | 189,103 | 277,219 | 258,236 | 378,800 | 433,259 | 40,252,349 | 53,236,441 | 12,761,649 | 108,674,958 |
| Sargo, California | | | | | | | | 2,040 | | | | | 2,040 |
| Sculpin | 2,056 | 1,048 | 1,433 | 1,653 | 5,124 | 19,721 | 13,802 | 15,576 | 4,122 | 295 | 792 | 7,829 | 73,451 |
| Sea bass, black | | | | | 278 | 118 | 722 | 434 | 361 | 213 | | 8 | 2,134 |
| Seabass, white | 79 | 5,964 | 1,907 | 16,629 | 64,554 | 57,800 | 42,530 | 39,148 | 1,077 | 9,209 | 5,042 | 3,140 | 247,079 |
| Shark | 5,060 | 7,072 | 9,220 | 15,376 | 21,015 | 11,702 | 3,972 | 5,958 | 2,767 | 2 698 | 2,258 | 3,926 | 91,024 |
| Sheep-head | 736 | 266 | 207 | 36 | | 56 | | 880 | 62 | 105 | 259 | 259 | 2,866 |
| Skate | 676 | 264 | 190 | 648 | 438 | 640 | 132 | | 210 | 60 | 191 | | 3,449 |
| Smelt | 28,109 | 9,724 | 19,790 | 9,656 | 9,489 | 1,616 | 2,607 | 1,112 | 3,800 | 3,085 | 2,470 | 1,179 | 92,637 |
| Sole | 180 | 361 | 214 | 429 | 836 | 81 | 118 | | | 30 | | | 2,249 |
| Swordfish | | | | | | 177 | 5,250 | 688 | 128 | 1,798 | | | 8,041 |
| Tuna, albacore | | | | | | 1,627 | 1,513,781 | 2,011,984 | 2,852,505 | 850,898 | 182,527 | 55,124 | 7,468,446 |
| Tuna, bluefin | | | | 1,000 | 296,772 | 750,667 | 562,878 | 1,697,498 | 1,232,428 | 27,617 | 43 | 211,000 | 4,779,903 |

TABLE 37—Continued

**Monthly Landings and Shipments of Commercial Fish Into the Los Angeles Region During 1954**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tuna, skipjack | | | | | | | | 4,660 | 9,069 | 670 | | | 14,399 |
| Whitefish, ocean | 72 | 108 | 80 | | | 200 | 175 | 48 | 68 | | | 16 | 767 |
| Yellowtail | | | | 17 | 1,392 | 1,236 | 939 | 384 | | 215 | | | 4,183 |
| Miscellaneous fish | | | | 38 | 356 | 360 | 55 | | | | | | 809 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, rock | 556 | 501 | 479 | 344 | 411 | 1,055 | 640 | 4,398 | 4,336 | 850 | 2,390 | 2,457 | 18,417 |
| Lobster, spiny | 63,166 | 59,456 | 36,021 | | | | | | | 90,459 | 91,174 | 95,786 | 436,062 |
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 148,792 | | 196,986 | 602,343 | 311,143 | 232,304 | 39,853 | 78,167 | 46,838 | 202,945 | 117,490 | 266,995 | 2,243,856 |
| Octopus | | | 120 | 238 | 201 | | | | 22 | 325 | 523 | | 1,429 |
| Snail, sea | 62 | 80 | | | | | | 124 | 70 | | | | 336 |
| Squid | 4,085 | 510,295 | | | 6,619 | 48,618 | 27,075 | 1,150 | | | 325 | 29,015 | 627,182 |
| Total pounds | 3,031,232 | 5,038,628 | 2,330,289 | 4,491,024 | 4,776,025 | 3,199,024 | 14,327,474 | 9,944,190 | 12,765,599 | 43,850,382 | 60,846,182 | 18,269,955 | 182,870,004 |
| Fishing boat landings from south of the international boundary: | | | | | | | | | | | | | |
| Barracuda, California | 5,199 | 123,210 | 111,416 | 212,200 | 116,060 | 24 | 60,073 | 60,003 | 3,648 | 120,263 | 70,145 | 67,327 | 949,568 |
| Bonito | 334,033 | 14,515 | 1,005 | 381 | 77,563 | 52 | 138,277 | 3,602 | 7,040 | 133,666 | 42,176 | 71,161 | 823,471 |
| Cabrilla | | 40,720 | 20,022 | | 5,279 | 46,915 | 14,400 | | 4,967 | 7,698 | 4,958 | 10,255 | 155,214 |
| Dolphinfish, common | | | | | | 19 | | 220 | | | | | 239 |
| Grouper | 80,895 | 127,179 | 58,809 | 25,041 | 6,867 | 8,011 | 3,258 | | 3,534 | 17,809 | 97,558 | 78,440 | 507,401 |
| Halfmoon | | | | | | | | | | 400 | 205 | | 605 |
| Halibut, California | | 5,220 | | | 9,375 | 312 | 19,434 | 17,132 | 1,515 | 2,358 | 29,113 | 14,130 | 98,589 |
| Mackerel, jack | | | | | | | | | | | | 9,600 | 9,600 |
| Mackerel, Pacific | | | | | | | | | | | | 360,908 | 360,908 |
| Rock bass | 335 | 435 | 692 | 14 | | 220 | 14 | | | 110 | | 336 | 2,156 |
| Rockfish | | 14,755 | 14,640 | 3,950 | 4,300 | 5,260 | 14,595 | | 1,095 | 7,170 | 51,543 | 9,370 | 126,678 |
| Sablefish | | | 318 | | | | | | | | | | 318 |
| Sardine | | | | | | | | | | | | 2,363,942 | 2,363,942 |
| Sea bass, black | 19,981 | 39,606 | 4,649 | 8,666 | 12,462 | 64,655 | 6,080 | 5,069 | 16,938 | 24,896 | 46,546 | 65,436 | 314,984 |
| Seabass, white | | 5,609 | 3,234 | 12,370 | 4,273 | 11,714 | 31,149 | 188,609 | 144,433 | 50,513 | 43,714 | 33,989 | 529,607 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Shark | | 260 | 40 | 31 | 1,210 | | 2,105 | 2,335 | 3,100 | 7,298 | 6,183 | 6,935 | 29,497 |
| Sheep-head | | | | 160 | | | 350 | | | | 175 | 130 | 815 |
| Sierra | | 168 | | | | 42 | | | | 355 | | | 565 |
| Swordfish | | | | | | | | 50 | | | | | 50 |
| Tuna, albacore | | | | 1,065 | 640 | | 1,047,745 | 1,110,805 | 290,063 | 15,509 | | | 2,465,827 |
| Tuna, bluefin | 560,505 | 317,190 | 29,820 | 238,611 | 54,831 | 394,638 | 5,717,255 | 4,554,165 | 2,054,318 | 234,339 | 45,970 | 390,017 | 14,591,659 |
| Tuna, skipjack | 7,570,156 | 2,733,628 | 6,606,787 | 7,581,693 | 6,180,156 | 11,602,528 | 9,581,605 | 7,099,165 | 8,242,085 | 4,084,763 | 6,592,641 | 7,675,131 | 85,550,338 |
| Tuna, yellowfin | 6,217,031 | 4,101,114 | 3,464,298 | 7,782,348 | 5,941,479 | 10,125,730 | 10,525,474 | 5,076,718 | 4,623,592 | 1,530,677 | 4,132,470 | 3,539,844 | 67,060,775 |
| Wahoo | | | | | 2,532 | | | | | | | 2,831 | 5,363 |
| Whitefish, ocean | | | 90 | | | | | | | 485 | 650 | 130 | 1,355 |
| Yellowtail | 8,345 | 153,126 | 30,779 | 128,824 | 61,885 | 57,727 | 634 | 8,914 | 1,582 | 1,291 | 34,109 | 80,881 | 568,097 |
| Miscellaneous fish | | 130 | | | | | | | | | | | 130 |
| Total pounds | 14,796,480 | 7,676,865 | 10,346,599 | 15,995,354 | 12,478,912 | 22,317,847 | 27,162,448 | 18,126,787 | 15,397,910 | 6,239,600 | 11,198,156 | 14,780,793 | 176,517,751 |
| Shipments:[1] | | | | | | | | | | | | | |
| Barracuda, California | | | | | | | | 460 | | | | | 460 |
| Bonito | | | | | | | | | | 1,555 | | | 1,555 |
| Cabrilla | | | | | 783 | | 3,727 | | | | | | 4,510 |
| Corvina, shortfin | | | | | 113 | | | | | | | | 113 |
| Rockfish | | | | | | | 673 | 5,451 | 3,688 | | | | 9,812 |
| Sablefish | 5,304 | 812 | 42,443 | 1,065 | 9,297 | 9,903 | 7,000 | 24,300 | 88,980 | 33,580 | 39,467 | | 262,151 |
| Salmon | 134,820 | 73,279 | 50,143 | 84,467 | 2,764 | 1,000 | 48,230 | 19,500 | 3,759 | 14,041 | 37,197 | 36,209 | 505,409 |
| Sea bass, black | | | | | 1,706 | | 32,166 | 6,707 | | 5,120 | | 3,372 | 49,071 |
| Shark | | | | | | | | | | 415 | | 340 | 755 |
| Tuna, albacore | 1,264,899 | 2,133,934 | 1,318,799 | 1,859,827 | 2,961,036 | 919,924 | 5,131,735 | 6,119,381 | 2,474,830 | 1,031,242 | 1,447,733 | 2,252,027 | 28,915,367 |
| Tuna, bigeye | 41,299 | | | | 78,445 | 37,755 | 187,648 | 614,546 | 70,388 | 57,119 | | | 1,087,200 |
| Tuna, bluefin | | | | | | | | | | | | 187,261 | 187,261 |
| Tuna, oriental | | | | | 60,977 | | | | | | | 71,884 | 132,861 |
| Tuna, skipjack | 661,189 | 147,191 | 29,844 | 105,388 | 1,197,672 | 1,140,736 | 804,765 | 1,067,563 | 501,265 | | 780,531 | 1,758,656 | 8,194,800 |
| Tuna, yellowfin | 1,134,164 | 1,095,777 | 1,017,076 | 2,216,310 | 4,221,018 | 3,270,575 | 1,169,982 | 2,632,463 | 666,190 | 491,932 | 349,673 | 1,752,877 | 20,018,037 |
| Yellowtail | | | | | | | | 1,405 | | 265 | | | 1,670 |
| Miscellaneous fish | | 205 | | | | 13,325 | 38,265 | | 16,440 | 62,589 | | 100 | 130,924 |
| Mollusk: | | | | | | | | | | | | | |
| Clam, Pismo | | 172,152 | 183,896 | | | | | | | | | | 356,048 |
| Total pounds | 3,241,675 | 3,623,350 | 2,642,201 | 4,267,057 | 8,533,811 | 5,393,218 | 7,424,191 | 10,491,776 | 3,825,540 | 1,697,858 | 2,654,601 | 6,062,726 | 59,858,004 |
| Grand totals, Los Angeles region | 21,069,387 | 16,338,843 | 15,319,089 | 24,753,435 | 25,788,748 | 30,910,089 | 48,914,113 | 38,562,753 | 31,989,049 | 51,787,840 | 74,698,939 | 39,113,474 | 419,245,759 |

[1] See Table 29 for origin of shipments.

## TABLE 38

### Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1954

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fishing boat landings from California waters: | | | | | | | | | | | | | |
| Anchovy | | | 159 | | | | | | | | 2,250 | | 2,409 |
| Barracuda, California | 134 | 687 | 408 | 1,099 | 154,500 | 123,142 | 15,768 | 250 | | | | | 295,988 |
| Bonito | | | | | | 34,690 | 62,807 | 44,358 | | 9,233 | 12,064 | 3,497 | 166,649 |
| Carp | | | | | | | | | | | | 600 | 600 |
| Croaker, white (Kingfish) | 950 | 214 | 1,470 | | | 1,466 | 3,235 | 9,246 | 2,725 | 888 | 378 | 525 | 21,097 |
| Halibut, California | 3,598 | 10,836 | 2,892 | 12,932 | 3,449 | 2,876 | 460 | 230 | 2,905 | 9,499 | 11,503 | 7,449 | 68,629 |
| Lingcod | | 81 | | | 128 | | | | | 18 | | 20 | 247 |
| Mackerel, Pacific | | | | | | 18,678 | 163,926 | 31,151 | 40,873 | 42,853 | 31,190 | 24,107 | 352,778 |
| Opaleye | | | | | | 160 | | | | 36 | | | 196 |
| Rockfish | 2,545 | 2,641 | 6,981 | 9,939 | 1,734 | 900 | 1,537 | 3,490 | 579 | 198 | 205 | 331 | 31,080 |
| Salmon | | | | | | 847 | | | | | | | 847 |
| Sanddab | | | | 176 | | 33 | 110 | | 140 | | | | 459 |
| Sardine | | | | | | | | | | 17,158 | 367,461 | 586,475 | 971,094 |
| Sculpin | 1,288 | 5,350 | 6,389 | 12,593 | 1,448 | 9,645 | 10,336 | 9,063 | 176 | 146 | | 4,412 | 60,846 |
| Sea bass, black | | | 162 | 365 | 77 | 107 | | 707 | 417 | | 629 | 517 | 2,981 |
| Seabass, white | 1,023 | 15,666 | 5,215 | 3,124 | 16,264 | 20,607 | 1,920 | 10,967 | 3,722 | 3,940 | 7,389 | 5,112 | 94,949 |
| Shark | 8,598 | 3,023 | 5,471 | 16,487 | 29,197 | 19,528 | 2,924 | 10,285 | 5,998 | 8,296 | 13,606 | 21,044 | 144,457 |
| Sheep-head | 3,769 | 3,445 | 495 | 519 | 20 | | 20 | | 11 | 1,242 | 1,349 | 1,263 | 12,133 |
| Skate | | | | | | | | | | 314 | 197 | | 511 |
| Smelt | 248 | | 908 | 150 | 95 | | | | | 50 | | 125 | 1,576 |
| Swordfish | | | | | | | | 1,460 | 5,057 | 1,057 | | | 7,574 |
| Tuna, albacore | | | | | | | 246,804 | 295,218 | 129,067 | 240,388 | 18,254 | 22,653 | 952,384 |
| Tuna, bluefin | | | | | 97,791 | 146,041 | 311,503 | 191,845 | 12,491 | | | 46 | 759,717 |
| Whitefish, ocean | | 165 | 125 | 180 | | | | | | | | | 470 |
| Yellowtail | | | | 110 | 5,686 | 227 | 127 | 1,110 | 137 | 175 | 91 | | 7,663 |
| Miscellaneous fish | | | 4 | | 153 | 575 | | 50 | | | | | 782 |
| Crustacean: | | | | | | | | | | | | | |
| Crab, rock | 2,376 | 1,742 | 1,116 | 420 | 47 | | | | | 3,910 | 5,018 | 4,204 | 18,833 |
| Lobster, spiny | 15 289 | 12,168 | 17,530 | | | | | | | 74,442 | 52,924 | 33,630 | 205,983 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Mollusk: | | | | | | | | | | | | | |
| Abalone | 2,185 | | 19,501 | 43,433 | 23,068 | 15,793 | 25,943 | 24,240 | 70,004 | 37,111 | 6,918 | 38,954 | 307,150 |
| Clam, jackknife | 1,614 | 2,483 | 2,759 | 3,903 | 6,032 | 5,343 | 6,942 | 5,705 | 3,938 | 2,364 | 1,534 | 1,130 | 43,747 |
| Mussel | | | | | 50 | 100 | 172 | 144 | | | | | 466 |
| Squid | | 49,757 | 44 | | | | | | | | | | 49,801 |
| Total pounds | 43,617 | 108,258 | 71,629 | 105,430 | 339,739 | 400,758 | 854,534 | 639,519 | 278,240 | 453,318 | 532,960 | 756,094 | 4,584,096 |
| Fishing boat landings from waters south of the international boundary: | | | | | | | | | | | | | |
| Barracuda, California | 14,789 | 4,359 | 37,063 | 3,124 | 408 | 3,280 | | 387 | 215 | 18,595 | 37,746 | 7,259 | 127,225 |
| Bonito | 30,148 | 3,841 | 2,319 | 194 | | 1,622 | 9,831 | 22,188 | 103,392 | 335,554 | 362,802 | 404,997 | 1,276,888 |
| Cabrilla | | | | | | | | | | | 333 | | 333 |
| Croaker, white (Kingfish) | | | | | | | | | | 128 | | | 128 |
| Grouper | 342 | | 9,025 | 3,228 | | 933 | | | | | | 1,391 | 14,919 |
| Halibut, California | 19,158 | 16,058 | 5,953 | 58 | | 8,882 | 15,141 | 21 330 | 15,142 | 425 | 9,521 | 6,531 | 118,199 |
| Mackerel, Pacific | | | | | | 17 | | | | | | | 17 |
| Rock bass | 790 | 197 | | | | | | | | | | | 987 |
| Rockfish | 310 | | | | | | | 1,024 | | | 615 | 590 | 2,539 |
| Sardine | | | | | | | | | | | 49,007 | | 49,007 |
| Sea bass, black | 1,024 | 1,521 | 890 | 585 | 4,426 | | | 4,091 | 1,126 | 1,653 | 9,684 | 4,457 | 29,457 |
| Seabass, white | 9,577 | 4,007 | 3,527 | 5,164 | 1,645 | 782 | 16,479 | 106,748 | 19,456 | 25,468 | 31,324 | 17,973 | 242,150 |
| Shark | 777 | 700 | 218 | | 9 | 223 | 535 | 410 | 247 | 2,256 | 1,407 | 661 | 7,443 |
| Sheep-head | 210 | 315 | 10 | | 55 | | 613 | 138 | 140 | | 15 | | 1,496 |
| Swordfish | | | | | | | 878 | 2,333 | 3,226 | | | | 6,437 |
| Tuna, albacore | | | | | | 1,239 | 4,692,480 | 3,128,825 | 1,221,413 | 272,041 | 35,990 | 380 | 9,352,368 |
| Tuna, bluefin | | | | | 30,897 | 50,151 | 3,166 | 658,952 | 42,423 | | | | 785,589 |
| Tuna, skipjack | 7,191,752 | 3,209,354 | 3,477,610 | 4,350,947 | 5,801,374 | 4,381,078 | 6,628,038 | 6,350,309 | 5,757,253 | 4,353,702 | 7,705,097 | 8,984,939 | 68,191,453 |
| Tuna, yellowfin | 5,747,262 | 5,182,209 | 2,469,609 | 3,317,893 | 5,466,317 | 5,003,749 | 5,411,021 | 4,486,555 | 3,984,750 | 2,462,733 | 3,725,627 | 5,083,295 | 52,341,020 |
| Whitefish, ocean | 466 | | 20 | | | | | 536 | | | | 20 | 1,042 |
| Yellowtail | 218,882 | 43,451 | 16,721 | 71,822 | 248,897 | 126,291 | 671 | 16,502 | 6,847 | 81,029 | 23,050 | 222,672 | 1,076,835 |
| Miscellaneous fish | | | 12 | | | | | | | | | | 12 |
| Crustacean: | | | | | | | | | | | | | |
| Lobster, spiny | 107 | | | | | | | | | | | | 107 |
| Total pounds | 13,235,594 | 8,466,012 | 6,022,977 | 7,753,015 | 11,554,028 | 9,578,247 | 16,778,853 | 14,800,328 | 11,155,630 | 7,553,584 | 11,992,218 | 14,735,165 | 133,625,651 |

TABLE 38—Continued

**Monthly Landings and Shipments of Commercial Fish Into the San Diego Region During 1954**

| Species | January | February | March | April | May | June | July | August | September | October | November | December | Total pounds |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Shipments:[1] | | | | | | | | | | | | | |
| Barracuda, California | | | | | | | | 25,412 | | | | | 25,412 |
| Bonito | | | | | | | | | 2,346 | | | | 2,346 |
| Halibut, California | | | | 808 | | | | | | | | | 808 |
| Sea bass, black | | | | | | | 6,221 | 3,371 | 714 | | | | 10,306 |
| Seabass, white | | | | | | | | 440 | | | | | 440 |
| Tuna, albacore | 171,081 | 910,587 | 30,297 | 305,516 | 559,491 | 664,717 | 1,809,735 | 4,514 | | | | 59,629 | 4,515,567 |
| Tuna, bluefin | | | | | | 152,118 | 220,640 | 72,607 | | 5,660 | | | 451,025 |
| Tuna, skipjack | | | 541,609 | 444,405 | 636,198 | 796,889 | 773,498 | 1,717,274 | 999 | | 953,180 | 1,054,746 | 6,918,798 |
| Tuna, yellowfin | 256,507 | 309,096 | 107,831 | 317,740 | 516,188 | 533,656 | 454,568 | 1,065,070 | 134,809 | | 93,524 | 327,230 | 4,116,219 |
| Yellowtail | | | | | | 12,082 | | | 200 | | | | 12,282 |
| Total pounds | 427,588 | 1,219,683 | 679,737 | 1,068,469 | 1,711,877 | 2,159,462 | 3,264,662 | 2,888,688 | 139,068 | 5,660 | 1,046,704 | 1,441,605 | 16,053,203 |
| Grand totals, San Diego region | 13,706,799 | 9,793,953 | 6,774,343 | 8,926,914 | 13,605,644 | 12,138,467 | 20,898,049 | 18,328,535 | 11,572,938 | 8,012,562 | 13,571,882 | 16,932,864 | 154,262,950 |

[1] See Table 29 for origin of shipments.

TABLE 39

**The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954**

| Species | Eureka region | | Sacramento region | | San Francisco region | | Monterey region | |
|---|---|---|---|---|---|---|---|---|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings: | | | | | | | | |
| Anchovy | 1,434 | $115 | | | 261,759 | $10,366 | 245,175 | $6,889 |
| Barracuda, California | | | | | | | | |
| Bonito | | | | | | | | |
| Cabezon | | | | | 758 | 15 | 5,203 | 164 |
| Cabrilla | | | | | | | | |
| Carp | | | 504,431 | $27,441 | 494 | 39 | | |
| Croaker, white (Kingfish) | | | | | 6,070 | 159 | 271,772 | 18,562 |
| Dolphinfish, common | | | | | | | | |
| Flounder | 240,494 | 10,606 | 273 | 11 | 190,584 | 8,062 | 54,113 | 3,679 |
| Flyingfish | | | | | | | | |
| Grouper | | | | | | | | |
| Hake | 429,170 | 6,437 | | | 17,105 | 768 | 165,247 | 1,487 |
| Halfmoon | | | | | | | | |
| Halibut, California | | | | | 2,782 | 566 | 41,346 | 9,439 |
| Halibut, Pacific | 65,646 | 13,292 | | | 25,036 | 5,713 | | |
| Hardhead | | | 92,925 | 38,982 | 1,156 | 520 | | |
| Herring, Pacific | 5,288 | 132 | | | 475,161 | 8,505 | 429,901 | 14,143 |
| Lingcod | 581,832 | 39,332 | | | 235,744 | 16,549 | 104,594 | 10,114 |
| Mackerel, jack | 270 | 19 | | | | | 6,245,504 | 212,972 |
| Mackerel, Pacific | | | | | | | 4,239 | 313 |
| Midshipman | | | | | | | | |
| Needlefish, California | | | | | | | 200 | 10 |
| Opaleye | | | | | | | | |
| Perch | 52,022 | 6,909 | | | 35,170 | 6,732 | 18,595 | 2,307 |
| Pompano, California | | | | | | | 37,458 | 11,927 |
| Ratfish | | | | | | | 11,287 | 111 |
| Rock bass | | | | | | | | |
| Rockfish | 3,193,209 | 103,140 | | | 2,984,427 | 115,200 | 5,177,756 | 234,553 |
| Sablefish | 1,304,769 | 130,477 | | | 398,188 | 11,866 | 631,052 | 28,838 |
| Salmon | 3,928,941 | 1,196,362 | 900,961 | 262,270 | 3,380,182 | 994,788 | 974,303 | 283,327 |
| Sanddab | 159,014 | 8,968 | | | 389,459 | 18,032 | 171,277 | 11,253 |
| Sardine | | | | | | | 11,699 | 1,388 |
| Sargo, California | | | | | | | | |
| Sculpin | | | | | | | | |
| Sculpin, staghorn | | | | | 3,215 | 161 | | |
| Sea bass, black | | | | | | | | |
| Seabass, white | | | | | 11,423 | 2,323 | 4,672 | 1,349 |
| Shad | | | 737,481 | 51,845 | | | | |
| Shark | 4,868 | 410 | | | 50,270 | 14,156 | 50,910 | 4,052 |
| Sheep-head | | | | | | | | |
| Sierra | | | | | | | | |
| Skate | 4,025 | 93 | | | 89,651 | 1,111 | 17,755 | 288 |
| Smelt | 42,471 | 3,805 | | | 295,441 | 19,855 | 169,160 | 9,879 |
| Sole | 13,288,872 | 728,230 | | | 4,793,993 | 283,325 | 794,164 | 58,292 |
| Splittail | | | 782 | 214 | | | | |
| Swordfish | | | | | | | 653 | 318 |
| Tuna, albacore | 356,173 | 64,431 | | | 1,181,564 | 230,051 | 3,519,078 | 658,771 |
| Tuna, bluefin | | | | | | | | |
| Tuna, skipjack | | | | | | | | |
| Tuna, yellowfin | | | | | | | | |
| Turbot | 87,809 | 1,493 | | | 70,207 | 2,906 | 2,220 | 131 |
| Wahoo | | | | | | | | |
| Whitebait | 104,007 | 9,952 | | | 56,593 | 7,340 | 106,681 | 11,383 |
| Whitefish, ocean | | | | | | | | |
| Yellowtail | | | | | | | | |
| Miscellaneous fish | 1,120 | 29 | 20 | 2 | 271 | 50 | 77 | 2 |

TABLE 39—Continued

**The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954**

| Species | Eureka region | | Sacramento region | | San Francisco region | | Monterey region | |
|---|---|---|---|---|---|---|---|---|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Crustacean: | | | | | | | | |
| Crab | 3,742,779 | $551,676 | | | 4,020,525 | $580,563 | 9,235 | $1,808 |
| Crab, rock | | | | | | | | |
| Lobster, spiny | | | | | | | | |
| Prawn | | | | | | | 2,480 | 992 |
| Shrimp, bay | | | | | 744,768 | 52,804 | | |
| Shrimp, ocean | 175,536 | 17,642 | | | 112,751 | 8,457 | | |
| Mollusk: | | | | | | | | |
| Abalone | | | | | 13,553 | 1,594 | 1,000 | 118 |
| Clam, gaper | | | | | | | 1,098 | 110 |
| Clam, jackknife | | | | | | | | |
| Clam, Washington | 10,167 | 1,164 | | | 112 | 35 | | |
| Mussel | | | | | | | | |
| Octopus | 1,764 | 70 | | | 9,113 | 303 | 17,508 | 1,959 |
| Oyster, eastern | | | | | 124,928 | 29,096 | | |
| Oyster, native | | | | | 6,047 | 728 | | |
| Oyster, Pacific | | | | | 149,101 | 17,296 | | |
| Snail, sea | | | | | | | | |
| Squid | | | | | 2,930 | 194 | 7,474,992 | 161,460 |
| Miscellaneous mollusk | | | | | | | 32 | 5 |
| Total pounds and value | 27,781,680 | $2,894,784 | 2,236,873 | $380,765 | 20,140,531 | $2,450,228 | 26,772,436 | $1,762,393 |
| Shipments:[1] | | | | | | | | |
| Barracuda, California | | | | | | | | |
| Bonito | | | | | | | | |
| Cabrilla | | | | | | | | |
| Corvina, shortfin | | | | | | | | |
| Halibut, California | | | | | | | | |
| Halibut, Pacific | | | | | 20,803 | $4,747 | | |
| Rockfish | | | | | | | | |
| Sablefish | | | | | 185,236 | 33,287 | | |
| Salmon | | | | | 90,625 | 30,033 | | |
| Sardine | | | | | 5,750 | 682 | | |
| Sea bass, black | | | | | | | | |
| Seabass, white | | | | | | | | |
| Shark | | | | | | | | |
| Tuna, albacore | | | | | 5,032,809 | 1,110,741 | 2,640 | $583 |
| Tuna, bigeye | | | | | 93,786 | 11,686 | | |
| Tuna, bluefin | | | | | | | | |
| Tuna, oriental | | | | | | | | |
| Tuna, skipjack | | | | | 160,048 | 23,783 | 434,110 | 61,123 |
| Tuna, yellowfin | | | | | 4,368,307 | 717,713 | 1,149,335 | 192,629 |
| Yellowtail | | | | | | | | |
| Miscellaneous fish | | | | | 1,230 | 517 | | |
| Crustacean: | | | | | | | | |
| Shrimp | | | | | | | 100 | 8 |
| Mollusk: | | | | | | | | |
| Clam, Pismo | | | | | | | | |
| Total pounds and value | | | | | 9,958,594 | $1,933,189 | 1,586,185 | $254,343 |
| Grand totals | 27,781,680 | $2,894,784 | 2,236,873 | $380,765 | 30,099,125 | $4,383,417 | 28,358,621 | $2,016,736 |

TABLE 39—Continued

**The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954**

| Species | Santa Barbara region | | Los Angeles region | | San Diego region | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Fishing boat landings: | | | | | | | | |
| Anchovy | 16,807,392 | $351,274 | 25,092,045 | $481,767 | 2,409 | $116 | 42,410,214 | $850,527 |
| Barracuda, California | 4,268 | 341 | 1,135,258 | 179,826 | 423,213 | 51,885 | 1,562,739 | 232,052 |
| Bonito | 2,445 | 171 | 873,078 | 79,713 | 1,443,537 | 99,893 | 2,319,060 | 179,777 |
| Cabezon | 251 | 16 | | | | | 6,212 | 195 |
| Cabrilla | | | 155,214 | 21,203 | 333 | 50 | 155,547 | 21,253 |
| Carp | | | 691 | 21 | 600 | 18 | 506,216 | 27,519 |
| Croaker, white (King-fish) | 5,330 | 327 | 609,405 | 26,874 | 21,225 | 1,698 | 913,802 | 47,620 |
| Dolphinfish, common | | | 239 | 23 | | | 239 | 23 |
| Flounder | 15,086 | 752 | | | | | 500,550 | 23,110 |
| Flyingfish | | | 13,748 | 1,069 | | | 13,748 | 1,069 |
| Grouper | | | 507,401 | 85,447 | 14,919 | 2,244 | 522,320 | 87,691 |
| Hake | | | | | | | 611,522 | 8,692 |
| Halfmoon | | | 50,007 | 11,727 | | | 50,007 | 11,727 |
| Halibut, California | 193,116 | 43,316 | 237,259 | 49,112 | 186,828 | 35,945 | 661,331 | 138,378 |
| Halibut, Pacific | | | | | | | 90,682 | 19,005 |
| Hardhead | | | | | | | 94,081 | 39,502 |
| Herring, Pacific | 1,556 | 51 | | | | | 911,906 | 22,831 |
| Lingcod | 24,751 | 2,698 | 175 | 16 | 247 | 32 | 947,343 | 68,741 |
| Mackerel, jack | 2,762,423 | 112,707 | 8,325,350 | 335,511 | | | 17,333,547 | 661,209 |
| Mackerel, Pacific | 1,650,285 | 58,750 | 23,385,285 | 731,959 | 352,795 | 17,570 | 25,392,604 | 808,592 |
| Midshipman | 2,865 | 143 | | | | | 2,865 | 143 |
| Needlefish, California | | | | | | | 200 | 10 |
| Opaleye | | | 8,871 | 1,248 | 196 | 17 | 9,067 | 1,265 |
| Perch | 12,712 | 2,047 | | | | | 118,499 | 17,995 |
| Pompano, California | 379 | 95 | 6,765 | 1,712 | | | 44,602 | 13,734 |
| Ratfish | | | | | | | 11,287 | 111 |
| Rock bass | | | 2,156 | 336 | 987 | 135 | 3,143 | 471 |
| Rockfish | 580,010 | 30,741 | 671,708 | 65,155 | 33,619 | 3,837 | 12,640,729 | 552,626 |
| Sablefish | 21,272 | 1,472 | 2,250 | 176 | | | 2,357,531 | 172,829 |
| Salmon | 306,825 | 94,901 | 6,565 | 2,378 | 847 | 287 | 9,498,624 | 2,834,313 |
| Sanddab | 7,698 | 542 | 25,564 | 4,200 | 459 | 67 | 753,471 | 43,062 |
| Sardine | 24,433,317 | 950,457 | 111,038,900 | 2,731,557 | 1,020,101 | 17,138 | 136,504,017 | 3,700,540 |
| Sargo, California | | | 2,040 | 384 | | | 2,040 | 384 |
| Sculpin | | | 73,451 | 17,732 | 60,846 | 11,822 | 134,297 | 29,554 |
| Sculpin, staghorn | | | | | | | 3,215 | 161 |
| Sea bass, black | 720 | 86 | 317,118 | 42,462 | 32,438 | 4,153 | 350,276 | 46,701 |
| Seabass, white | 76,231 | 17,716 | 776,686 | 163,336 | 337,099 | 65,970 | 1,206,111 | 250,694 |
| Shad | | | | | | | 737,481 | 51,845 |
| Shark | 391,868 | 22,179 | 120,521 | 12,825 | 151,900 | 16,588 | 770,337 | 70,210 |
| Sheep-head | 11,874 | 978 | 3,681 | 261 | 13,629 | 1,293 | 29,184 | 2,532 |
| Sierra | | | 565 | 51 | | | 565 | 51 |
| Skate | 20,830 | 1,638 | 3,449 | 304 | 511 | 15 | 136,221 | 3,449 |
| Smelt | 7,324 | 338 | 92,637 | 4,633 | 1,576 | 132 | 608,609 | 38,642 |
| Sole | 852,901 | 74,629 | 2,249 | 294 | | | 19,732,179 | 1,144,770 |
| Splittail | | | | | | | 782 | 214 |
| Swordfish | 300 | 120 | 8,091 | 4,247 | 14,011 | 7,656 | 23,055 | 12,341 |
| Tuna, albacore | 811,450 | 147,117 | 9,934,273 | 2,035,533 | 10,304,752 | 2,112,474 | 26,107,290 | 5,248,377 |
| Tuna, bluefin | 107,952 | 18,675 | 19,371,562 | 3,273,793 | 1,545,306 | 261,002 | 21,024,820 | 3,553,470 |
| Tuna, skipjack | | | 85,564,737 | 12,954,501 | 68,191,453 | 10,390,406 | 153,756,190 | 23,344,907 |
| Tuna, yellowfin | | | 67,060,775 | 11,514,337 | 52,341,020 | 9,060,244 | 119,401,795 | 20,574,581 |
| Turbot | 15,682 | 784 | | | | | 175,918 | 5,314 |
| Wahoo | | | 5,363 | 1,877 | | | 5,363 | 1,877 |
| Whitebait | | | | | | | 267,281 | 28,675 |
| Whitefish, ocean | | | 2,122 | 200 | 1,512 | 141 | 3,634 | 341 |
| Yellowtail | | | 572,280 | 52,253 | 1,084,498 | 87,194 | 1,656,778 | 139,447 |
| Miscellaneous fish | 1,095 | 91 | 939 | 193 | 794 | 152 | 4,316 | 519 |

TABLE 39—Continued

**The Value, by Region, of the Annual Landings and Shipments of Commercial Fish Into California During 1954**

| Species | Santa Barbara region | | Los Angeles region | | San Diego region | | Total | |
|---|---|---|---|---|---|---|---|---|
| | Pounds | Value | Pounds | Value | Pounds | Value | Pounds | Value |
| Crustacean: | | | | | | | | |
| Crab | 55,669 | $12,214 | | | | | 7,828,208 | $1,146,261 |
| Crab, rock | 1,808 | 45 | 18,417 | $1,945 | 18,833 | $544 | 39,058 | 2,534 |
| Lobster, spiny | 259,248 | 99,578 | 436,062 | 208,439 | 206,090 | 101,520 | 901,400 | 409,537 |
| Prawn | 215 | 129 | | | | | 2,695 | 1,121 |
| Shrimp, bay | | | | | | | 744,768 | 52,804 |
| Shrimp, ocean | 8,510 | 851 | | | | | 296,797 | 26,950 |
| Mollusk: | | | | | | | | |
| Abalone | 1,533,966 | 177,328 | 2,243,856 | 174,571 | 307,150 | 23,313 | 4,099,525 | 376,924 |
| Clam, gaper | | | | | | | 1,098 | 110 |
| Clam, jackknife | | | | | 43,747 | 15,946 | 43,747 | 15,946 |
| Clam, Washington | | | | | | | 10,279 | 1,199 |
| Mussel | | | | | 466 | 33 | 466 | 33 |
| Octopus | 944 | 55 | 1,429 | 271 | | | 30,758 | 2,658 |
| Oyster, eastern | | | | | | | 124,928 | 29,096 |
| Oyster, native | | | | | | | 6,047 | 728 |
| Oyster, Pacific | 311,519 | 6,417 | | | | | 460,620 | 23,713 |
| Snail, sea | | | 336 | 14 | | | 336 | 14 |
| Squid | 200 | 5 | 627,182 | 14,802 | 49,801 | 762 | 8,155,105 | 177,223 |
| Miscellaneous mollusk | | | | | | | 32 | 5 |
| Total pounds and value | 51,302,287 | $2,231,774 | 359,387,755 | $35,290,288 | 138,209,747 | $22,392,292 | 625,831,309 | $67,402,524 |
| Shipments:[1] | | | | | | | | |
| Barracuda, California | | | 460 | $55 | 25,412 | $3,377 | 25,872 | $3,432 |
| Bonito | | | 1,555 | 93 | 2,346 | 164 | 3,901 | 257 |
| Cabrilla | | | 4,510 | 722 | | | 4,510 | 722 |
| Corvina, shortfin | | | 113 | 17 | | | 113 | 17 |
| Halibut, California | | | | | 808 | 121 | 808 | 121 |
| Halibut, Pacific | | | | | | | 20,803 | 4,747 |
| Rockfish | | | 9,812 | 1,130 | | | 9,812 | 1,130 |
| Sablefish | | | 262,151 | 47,109 | | | 447,387 | 80,396 |
| Salmon | | | 505,409 | 167,493 | | | 596,034 | 197,526 |
| Sardine | | | | | | | 5,750 | 682 |
| Sea bass, black | | | 49,071 | 7,493 | 10,306 | 1,357 | 59,377 | 8,850 |
| Seabass, white | | | | | 440 | 110 | 440 | 110 |
| Shark | | | 755 | 74 | | | 755 | 74 |
| Tuna, albacore | | | 28,915,367 | 5,817,772 | 4,515,567 | 965,463 | 38,466,383 | 7,894,559 |
| Tuna, bigeye | 68,951 | $8,591 | 1,087,200 | 135,465 | | | 1,249,937 | 155,742 |
| Tuna, bluefin | | | 187,261 | 26,527 | 451,025 | 75,687 | 638,286 | 102,214 |
| Tuna, oriental | | | 132,861 | 18,866 | | | 132,861 | 18,866 |
| Tuna, skipjack | | | 8,194,800 | 1,205,455 | 6,918,798 | 1,045,719 | 15,707,756 | 2,336,080 |
| Tuna, yellowfin | 50,000 | 8,430 | 20,018,037 | 3,347,176 | 4,116,219 | 719,146 | 29,701,898 | 4,985,094 |
| Yellowtail | | | 1,670 | 139 | 12,282 | 1,158 | 13,952 | 1,297 |
| Miscellaneous fish | | | 130,924 | 49,070 | | | 132,154 | 49,587 |
| Crustacean: | | | | | | | | |
| Shrimp | | | | | | | 100 | 8 |
| Mollusk: | | | | | | | | |
| Clam, Pismo | | | 356,048 | 7,477 | | | 356,048 | 7,477 |
| Total pounds and value | 118,951 | $17,021 | 59,858,004 | $10,832,133 | 16,053,203 | $2,812,302 | 87,574,937 | $15,848,988 |
| Grand totals | 51,421,238 | $2,248,795 | 419,245,759 | $46,122,421 | 154,262,950 | $25,204,594 | 713,406,246 | $83,251,512 |

[1] See Table 29 for origin of shipments.

## TABLE 40

**Landings of the Commercial Fishing Boats in the Eureka Region During 1954, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Eureka region totals | | $2,894,784 | 27,781,680 |
| Eureka | Sole | $351,569 | 6,415,484 |
| | Salmon | 321,955 | 1,057,322 |
| | Crab | 111,727 | 757,983 |
| | Sablefish | 40,220 | 402,197 |
| | Rockfish | 33,866 | 1,048,484 |
| | Albacore | 30,735 | 169,903 |
| | Pacific halibut | 12,433 | 61,396 |
| | Lingcod | 9,760 | 144,386 |
| | All other | 22,980 | 335,863 |
| | Totals | $935,245 | 10,393,018 |
| Fort Bragg | Salmon | $509,922 | 1,674,622 |
| | Sole | 162,286 | 2,961,425 |
| | Sablefish | 65,330 | 653,296 |
| | Crab | 47,860 | 324,697 |
| | Albacore | 32,897 | 181,853 |
| | Rockfish | 29,145 | 902,330 |
| | Lingcod | 16,685 | 246,813 |
| | All other | 5,735 | 92,910 |
| | Totals | $869,860 | 7,037,946 |
| Crescent City | Crab | $303,614 | 2,059,856 |
| | Salmon | 247,886 | 814,077 |
| | Sole | 30,134 | 549,894 |
| | Ocean shrimp | 17,534 | 174,466 |
| | Lingcod | 6,038 | 89,316 |
| | All other | 10,681 | 208,202 |
| | Totals | $615,887 | 3,895,811 |
| Fields Landing | Sole | $184,241 | 3,362,069 |
| | Salmon | 63,972 | 210,089 |
| | Rockfish | 36,276 | 1,123,084 |
| | Crab | 26,725 | 181,311 |
| | Sablefish | 23,394 | 233,942 |
| | Lingcod | 6,770 | 100,147 |
| | Hake | 6,362 | 424,150 |
| | All other | 8,532 | 194,417 |
| | Totals | $356,272 | 5,829,209 |
| Trinidad | Crab | $61,741 | 418,868 |
| | Salmon | 7,711 | 25,324 |
| | All other | 28 | 398 |
| | Totals | $69,480 | 444,590 |
| Point Arena | Salmon | $36,415 | 119,588 |
| | Lingcod | 39 | 581 |
| | Totals | $36,454 | 120,169 |
| Shelter Cove | Salmon | $8,491 | 27,886 |
| | All other | 98 | 2,228 |
| | Totals | $8,589 | 30,114 |
| All other ports | All other | $2,997 | 30,823 |
| | Totals | $2,997 | 30,823 |

TABLE 41

**Landings of the Commercial Fishing Boats in the Sacramento Region During 1954, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Sacramento region totals | | $380,765 | 2,236,873 |
| Pittsburg | Salmon | $152,228 | 522,940 |
| | Shad | 43,060 | 612,514 |
| | All other | 1,055 | 18,766 |
| | Totals | $196,343 | 1,154,220 |
| Turlock | Hardhead | $34,619 | 82,525 |
| | Carp | 21,744 | 399,703 |
| | All other | 2 | 20 |
| | Totals | $56,365 | 482,248 |
| Martinez | Salmon | $48,951 | 168,158 |
| | Shad | 5,501 | 78,248 |
| | Totals | $54,452 | 246,406 |
| Benicia | Salmon | $33,405 | 114,756 |
| | Shad | 3,269 | 46,505 |
| | Carp | 2 | 37 |
| | Totals | $36,676 | 161,298 |
| Sacramento | Salmon | $27,686 | 95,107 |
| | Hardhead | 4,363 | 10,400 |
| | All other | 226 | 1,644 |
| | Totals | $32,275 | 107,151 |
| Antioch | Carp | $4,654 | 85,550 |
| | Totals | $4,654 | 85,550 |

## TABLE 42

**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1954, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| San Francisco region totals | | $4,383,417 | 30,099,125 |
| San Francisco | Albacore | $1,304,096 | 6,025,902 |
| | Yellowfin tuna | 717,713 | 4,368,307 |
| | Salmon | 409,544 | 1,380,163 |
| | Crab | 359,902 | 2,492,395 |
| | Sole | 213,188 | 3,607,235 |
| | Rockfish | 66,879 | 1,732,614 |
| | Sablefish | 43,580 | 530,624 |
| | Skipjack | 23,783 | 160,048 |
| | Bay shrimp | 17,638 | 248,778 |
| | Sanddab | 14,236 | 307,472 |
| | Shark | 13,228 | 46,974 |
| | Bigeye tuna | 11,686 | 93,786 |
| | Smelt | 11,335 | 168,669 |
| | Lingcod | 10,416 | 148,379 |
| | Anchovy | 10,366 | 261,759 |
| | Pacific halibut | 9,307 | 40,785 |
| | Pacific herring | 6,253 | 349,331 |
| | All other | 21,419 | 331,665 |
| | Totals | $3,264,569 | 22,294,886 |
| Point Reyes (Drakes Bay) | Salmon | $355,134 | 1,206,706 |
| | Crab | 56,775 | 393,181 |
| | Sole | 33,129 | 560,555 |
| | Rockfish | 12,433 | 322,087 |
| | All other | 11,484 | 197,854 |
| | Totals | $468,955 | 2,680,383 |
| Bodega Bay | Salmon | $222,227 | 755,104 |
| | Crab | 84,213 | 583,192 |
| | Sole | 35,921 | 607,803 |
| | Rockfish | 35,742 | 925,963 |
| | Smelt | 7,792 | 115,945 |
| | Ocean shrimp | 7,203 | 96,036 |
| | Whitebait | 4,593 | 35,413 |
| | All other | 10,155 | 181,742 |
| | Totals | $407,846 | 3,301,198 |
| Sausalito | Albacore | $33,457 | 171,837 |
| | Crab | 32,523 | 225,230 |
| | Salmon | 3,454 | 11,737 |
| | All other | 1,205 | 21,620 |
| | Totals | $70,639 | 430,424 |
| Tomales Bay (Marshall) | Eastern oyster | $29,096 | 124,928 |
| | Pacific oyster | 16,299 | 140,506 |
| | Pacific herring | 2,252 | 125,830 |
| | All other | 4,937 | 38,720 |
| | Totals | $52,584 | 429,984 |
| Princeton | Crab | $25,480 | 176,457 |
| | Salmon | 22,947 | 77,970 |
| | All other | 1,982 | 19,888 |
| | Totals | $50,409 | 274,315 |

TABLE 42—Continued

**Landings of the Commercial Fishing Boats and Shipments Into the San Francisco Region During 1954, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Richmond | Bay shrimp | $29,474 | 415,711 |
| | All other | 376 | 4,530 |
| | Totals | $29,850 | 420,241 |
| Oakland | Crab | $15,058 | 104,282 |
| | All other | 6,213 | 53,981 |
| | Totals | $21,271 | 158,263 |
| Berkeley | Salmon | $8,250 | 28,034 |
| | Crab | 5,831 | 40,381 |
| | All other | 88 | 476 |
| | Totals | $14,169 | 68,891 |
| All other ports | All other | $3,125 | 40,540 |
| | Totals | $3,125 | 40,540 |

TABLE 43

**Landings of the Commercial Fishing Boats and Shipments Into the Monterey Region During 1954, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Monterey region totals | | $2,016,736 | 28,358,621 |
| Monterey | Rockfish | $200,913 | 4,435,158 |
| | Yellowfin tuna | 192,629 | 1,149,335 |
| | Salmon | 169,281 | 582,122 |
| | Jack mackerel | 161,885 | 4,747,348 |
| | Albacore | 152,716 | 815,317 |
| | Squid | 137,819 | 6,380,497 |
| | Skipjack | 61,123 | 434,110 |
| | Sole | 28,124 | 383,157 |
| | White croaker (Kingfish) | 10,468 | 153,263 |
| | Sablefish | 9,700 | 212,260 |
| | Lingcod | 8,044 | 83,190 |
| | Sanddab | 6,993 | 106,439 |
| | Pacific herring | 6,418 | 195,085 |
| | All other | 39,920 | 631,238 |
| | Totals | $1,186,033 | 20,308,519 |
| Moss Landing | Albacore | $478,043 | 2,553,648 |
| | Salmon | 55,347 | 190,328 |
| | Jack mackerel | 47,636 | 1,396,960 |
| | Squid | 23,202 | 1,074,150 |
| | Pacific herring | 4,609 | 140,100 |
| | White croaker (Kingfish) | 3,847 | 56,329 |
| | All other | 10,439 | 192,367 |
| | Totals | $623,123 | 5,603,882 |
| Santa Cruz | Salmon | $58,699 | 201,853 |
| | Rockfish | 32,008 | 706,569 |
| | Albacore | 28,595 | 152,753 |
| | Sole | 28,562 | 389,129 |
| | Sablefish | 18,193 | 398,107 |
| | California pompano | 6,186 | 19,428 |
| | All other | 35,337 | 578,381 |
| | Totals | $207,580 | 2,446,220 |

## TABLE 44

### Landings of the Commercial Fishing Boats and Shipments Into the Santa Barbara Region During 1954, Shown by Port of Landing With the Corresponding Values

| | | Value | Pounds |
|---|---|---|---|
| Santa Barbara region totals | | $2,248,795 | 51,421,238 |
| Port Hueneme | Sardine | $688,106 | 17,689,108 |
| | Anchovy | 201,105 | 9,622,272 |
| | Jack mackerel | 96,795 | 2,372,435 |
| | Pacific mackerel | 31,221 | 877,002 |
| | Abalone | 11,491 | 99,400 |
| | Bluefin tuna | 7,876 | 45,528 |
| | California halibut | 7,008 | 31,244 |
| | White seabass | 4,107 | 17,673 |
| | All other | 1,587 | 13,232 |
| | Totals | $1,049,296 | 30,767,894 |
| Santa Barbara | Sardine | $196,243 | 5,044,799 |
| | Anchovy | 125,224 | 5,991,585 |
| | Spiny lobster | 98,570 | 256,626 |
| | Abalone | 78,024 | 674,952 |
| | California halibut | 28,505 | 127,086 |
| | Jack mackerel | 15,360 | 376,460 |
| | Sole | 15,031 | 171,784 |
| | White seabass | 13,410 | 57,704 |
| | Bluefin tuna | 10,799 | 62,424 |
| | Pacific mackerel | 8,666 | 243,440 |
| | Shark | 4,420 | 78,092 |
| | Albacore | 4,255 | 23,467 |
| | Rockfish | 4,042 | 76,256 |
| | All other | 3,663 | 31,072 |
| | Totals | $606,212 | 13,215,747 |
| Port San Luis (Avila, Grover City) | Salmon | $66,149 | 213,867 |
| | Sardine | 60,383 | 1,552,250 |
| | Anchovy | 24,934 | 1,193,000 |
| | Sole | 24,807 | 283,509 |
| | Albacore | 21,974 | 121,200 |
| | Shark | 17,355 | 306,632 |
| | Abalone | 10,392 | 89,897 |
| | Pacific mackerel | 9,322 | 261,850 |
| | Bigeye tuna | 8,591 | 68,951 |
| | Yellowfin tuna | 8,430 | 50,000 |
| | California halibut | 7,568 | 33,739 |
| | Crab | 5,222 | 23,800 |
| | Rockfish | 5,060 | 95,475 |
| | All other | 7,106 | 90,593 |
| | Totals | $277,293 | 4,384,763 |
| Morro Bay | Albacore | $120,888 | 666,783 |
| | Sole | 34,791 | 397,608 |
| | Salmon | 28,675 | 92,710 |
| | Rockfish | 21,493 | 405,526 |
| | Abalone | 20,599 | 178,189 |
| | Pacific mackerel | 9,541 | 267,993 |
| | Pacific oyster | 6,417 | 311,519 |
| | Sardine | 5,725 | 147,160 |
| | Crab | 5,313 | 24,218 |
| | All other | 5,730 | 69,600 |
| | Totals | $259,172 | 2,561,306 |

TABLE 44—Continued

**Landings of the Commercial Fishing Boats and Shipments Into the Santa Barbara Region During 1954, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| San Simeon | Abalone | $49,980 | 432,350 |
| | Totals | $49,980 | 432,350 |
| Gaviota | Abalone | $6,311 | 54,591 |
| | Totals | $6,311 | 54,591 |
| All other ports | Abalone | $531 | 4,587 |
| | Totals | $531 | 4,587 |

## TABLE 45

### Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1954, Shown by Port of Landing With the Corresponding Values

| | | Value | Pounds |
|---|---|---|---|
| Los Angeles region totals | | $46,122,421 | 419,245,759 |
| Terminal Island | Yellowfin tuna | $14,467,799 | 84,781,959 |
| | Skipjack | 13,921,446 | 92,184,172 |
| | Albacore | 7,654,237 | 37,875,612 |
| | Bluefin tuna | 3,022,373 | 17,914,161 |
| | Sardine | 2,509,898 | 102,028,382 |
| | Pacific mackerel | 293,662 | 9,382,188 |
| | Jack mackerel | 182,478 | 4,528,000 |
| | Bigeye tuna | 135,465 | 1,087,200 |
| | Anchovy | 101,506 | 5,286,764 |
| | Bonito | 74,859 | 819,918 |
| | Yellowtail | 23,448 | 256,826 |
| | Oriental tuna | 18,866 | 132,861 |
| | Squid | 472 | 20,000 |
| | Totals | $42,406,509 | 356,298,043 |
| San Pedro | California barracuda | $165,958 | 1,047,715 |
| | White seabass | 152,326 | 724,329 |
| | Bluefin tuna | 107,549 | 636,386 |
| | Grouper | 71,215 | 422,892 |
| | Abalone | 67,733 | 870,606 |
| | Spiny lobster | 63,994 | 133,878 |
| | Sardine | 59,208 | 2,406,845 |
| | Pacific mackerel | 44,434 | 1,419,610 |
| | California halibut | 44,045 | 212,779 |
| | Rockfish | 40,841 | 421,042 |
| | Black sea bass | 38,041 | 284,103 |
| | Anchovy | 29,602 | 1,541,793 |
| | Sculpin | 15,136 | 62,701 |
| | White croaker (Kingfish) | 15,087 | 342,105 |
| | Cabrilla | 15,016 | 109,926 |
| | Yellowfin tuna | 14,314 | 83,364 |
| | Yellowtail | 12,189 | 133,465 |
| | Halfmoon | 10,674 | 45,516 |
| | Jack mackerel | 9,952 | 246,943 |
| | Albacore | 8,789 | 42,893 |
| | Shark | 8,543 | 80,289 |
| | All other | 19,055 | 316,630 |
| | Totals | $1,013,701 | 11,585,810 |
| Long Beach | Yellowfin tuna | $209,980 | 1,226,775 |
| | Anchovy | 152,015 | 7,917,464 |
| | Skipjack | 102,154 | 674,732 |
| | Pacific mackerel | 96,214 | 3,073,927 |
| | Sardine | 87,050 | 3,538,622 |
| | Spiny lobster | 52,064 | 108,921 |
| | Jack mackerel | 51,479 | 1,277,403 |
| | Bluefin tuna | 48,067 | 284,423 |
| | Albacore | 25,102 | 123,551 |
| | Yellowtail | 16,169 | 177,241 |
| | Rockfish | 13,420 | 136,516 |
| | Squid | 10,328 | 437,644 |
| | Black sea bass | 8,770 | 58,606 |
| | White croaker (Kingfish) | 8,041 | 182,344 |
| | Pismo clam | 7,477 | 356,048 |
| | Grouper | 6,139 | 36,452 |
| | All other | 13,040 | 91,799 |
| | Totals | $907,509 | 19,702,468 |

TABLE 45—Continued

**Landings of the Commercial Fishing Boats and Shipments Into the Los Angeles Region During 1954, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| Wilmington | Yellowfin tuna | $169,398 | 986,590 |
| | Skipjack | 136,356 | 900,633 |
| | Anchovy | 131,269 | 6,836,920 |
| | Bluefin tuna | 101,048 | 597,920 |
| | Jack mackerel | 85,363 | 2,118,200 |
| | Pacific mackerel | 47,929 | 1,531,280 |
| | Albacore | 16,342 | 81,203 |
| | Sardine | 5,855 | 238,015 |
| | All other | 8,600 | 123,612 |
| | Totals | $702,160 | 13,414,373 |
| Newport Beach | Pacific mackerel | $234,798 | 7,501,543 |
| | Albacore | 146,534 | 715,147 |
| | Abalone | 101,939 | 1,310,271 |
| | Anchovy | 40,086 | 2,087,799 |
| | Spiny lobster | 27,025 | 56,538 |
| | Sardine | 23,613 | 959,859 |
| | Grouper | 8,093 | 48,057 |
| | White seabass | 8,033 | 38,198 |
| | California barracuda | 5,087 | 32,116 |
| | All other | 25,428 | 169,823 |
| | Totals | $620,636 | 12,919,351 |
| Los Angeles | Salmon | $167,493 | 505,409 |
| | Sablefish | 47,109 | 262,151 |
| | All other | 49,091 | 131,615 |
| | Totals | $263,693 | 899,175 |
| Santa Monica | Sardine | $45,933 | 1,867,177 |
| | Spiny lobster | 39,922 | 83,518 |
| | Anchovy | 27,094 | 1,411,165 |
| | Bluefin tuna | 20,184 | 119,430 |
| | Pacific mackerel | 14,846 | 474,298 |
| | Jack mackerel | 6,238 | 154,782 |
| | California barracuda | 6,106 | 38,545 |
| | Rockfish | 4,044 | 41,689 |
| | All other | 6,698 | 60,452 |
| | Totals | $171,065 | 4,251,056 |
| Catalina Island | Spiny lobster | $6,974 | 14,590 |
| | All other | 2,780 | 17,509 |
| | Totals | $9,754 | 32,099 |
| Dana Point | Spiny lobster | $6,909 | 14,453 |
| | All other | 1,604 | 17,451 |
| | Totals | $8,513 | 31,904 |
| All other ports | Spiny lobster | $10,976 | 22,962 |
| | All other | 7,905 | 88,518 |
| | Totals | $18,881 | 111,480 |

## TABLE 46

**Landings of the Commercial Fishing Boats and Shipments Into the San Diego Region During 1954, Shown by Port of Landing With the Corresponding Values**

| | | Value | Pounds |
|---|---|---|---|
| San Diego region totals | | $25,204,594 | 154,262,950 |
| San Diego | Skipjack | $11,436,125 | 75,110,251 |
| | Yellowfin tuna | 9,779,390 | 56,457,239 |
| | Albacore | 3,077,875 | 14,820,015 |
| | Bluefin tuna | 336,689 | 1,996,331 |
| | Bonito | 100,057 | 1,445,883 |
| | Yellowtail | 88,350 | 1,096,757 |
| | Spiny lobster | 84,770 | 172,086 |
| | White seabass | 62,516 | 319,324 |
| | California barracuda | 54,715 | 444,156 |
| | California halibut | 34,484 | 179,411 |
| | Abalone | 23,313 | 307,150 |
| | Pacific mackerel | 17,566 | 352,729 |
| | Sardine | 17,138 | 1,020,101 |
| | Shark | 16,518 | 151,265 |
| | Sculpin | 11,810 | 60,784 |
| | Swordfish | 7,656 | 14,011 |
| | Jackknife clam | 6,771 | 18,577 |
| | Black sea bass | 5,411 | 41,976 |
| | All other | 9,892 | 105,071 |
| | Totals | $25,171,046 | 154,113,117 |
| Encinitas | Spiny lobster | $12,423 | 25,220 |
| | All other | 1,519 | 8,944 |
| | Totals | $13,942 | 34,164 |
| Mission Beach | Jackknife clam | $9,035 | 24,787 |
| | Totals | $9,035 | 24,787 |
| La Jolla | Spiny lobster | $4,082 | 8,287 |
| | All other | 98 | 936 |
| | Totals | $4,180 | 9,223 |
| All other ports | All other | $6,391 | 81,659 |
| | Totals | $6,391 | 81,659 |

## TABLE 47

### The Recorded State-wide Catch, in Numbers of Fish, Made by Anglers Fishing From Licensed Party Boats [1] and the Number of Angler Days

| Species | 1947 | 1948 | 1949 | 1950 | 1951 | 1952 | 1953 | 1954 |
|---|---|---|---|---|---|---|---|---|
| Albacore | 11,445 | 15,414 | 22,692 | 118,087 | 75,924 | 187,267 | 23,363 | 20,098 |
| Barracuda, California | 677,449 | 384,056 | 366,423 | 256,367 | 269,545 | 336,862 | 170,550 | 282,552 |
| Halibut, California | 104,436 | 143,462 | 104,639 | 85,935 | 59,295 | 34,158 | 34,292 | 59,674 |
| Rock bass[2] | 682,789 | 630,223 | 796,959 | 619,397 | 781,609 | 535,832 | 711,395 | 876,667 |
| Rockfish | 193,652 | 410,665 | 570,637 | 679,164 | 721,808 | 706,004 | 696,480 | 1,149,367 |
| Salmon | 5,018 | 11,209 | 23,057 | 56,337 | 71,970 | 86,472 | 98,723 | 119,911 |
| Seabass, white | 20,724 | 24,078 | 65,545 | 54,718 | 44,367 | 41,043 | 28,182 | 41,588 |
| Yellowtail | 6,948 | 13,028 | 17,710 | 6,971 | 23,721 | 59,263 | 27,702 | 40,872 |
| All other | 367,971 | 477,884 | 372,132 | 313,437 | 302,405 | 318,974 | 489,471 | 683,808 |
| Total number of fish | 2,070,432 | 2,110,019 | 2,339,794 | 2,190,413 | 2,350,644 | 2,305,875 | 2,280,158 | 3,274,537 |
| Number of angler days | 359,436 | 407,757 | 469,915 | 544,264 | 556,949 | 562,898 | 502,146 | 532,190 |

[1] Does not include barges.
[2] Rock bass includes two species, kelp bass (*Paralabrax clathratus*) and sand bass (*P. nebulifer*).

## TABLE 48

### The Recorded Catch of Live Bait in Southern California Made by the Vessels Supplying the Party Boat Fleet (Pounds)

| Species | 1950 | 1951 | 1952 | 1953 | 1954 |
|---|---|---|---|---|---|
| Anchovy | 7,647,640 | 10,283,730 | 13,620,879 | 12,783,016 | 13,372,042 |
| Croaker, white (Kingfish) | 48,545 | 79,458 | 189,171 | 47,992 | 56,650 |
| Mackerel, jack | 433 | ------ | 33,126 | 1,414 | 405 |
| Queenfish | 232,618 | 204,097 | 233,545 | 94,411 | 67,258 |
| Sardine | 3,093,587 | 2,607,234 | 227,571 | 19,865 | 137,563 |
| Sardine, "firecrackers" | 4,251 | 3,797 | 25,649 | 11,345 | 2,880 |
| Smelt | 30,824 | 50,181 | 28,299 | 19,704 | 26,187 |
| Other species | ------ | ------ | 6,464 | ------ | 8,786 |
| Total pounds | 11,057,898 | 13,228,497 | 14,364,704 | 12,977,747 | 13,671,771 |
| Number of boats reporting | 25 | 22 | 24 | 30 | 23 |

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